

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008475.D
 Acq On : 01 Feb 2019 12:19
 Operator : SY/VA
 Sample : VW0201SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Manual Integrations
 APPROVED

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 2/4/2019 4:32:18 PM

Quant Time: Feb 02 01:32:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	416447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	623178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	541657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	272944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	186668	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	7.88	113	197719	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
50) Toluene-d8	10.32	98	767721	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.62	95	272399	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32994	16.070	ug/l	98
3) Chloromethane	2.21	50	52071	15.318	ug/l	99
4) Vinyl Chloride	2.36	62	73700	17.031	ug/l	96
5) Bromomethane	2.79	94	57882	20.738	ug/l	94
6) Chloroethane	2.92	64	61789	23.348	ug/l	94
7) Trichlorofluoromethane	3.25	101	58212	18.730	ug/l	98
8) Diethyl Ether	3.67	74	34277	16.505	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	71878	19.083	ug/l	96
10) Methyl Iodide	4.26	142	111934	18.814	ug/l	99
11) Tert butyl alcohol	5.23	59	20073m	60.940	ug/l	
12) 1,1-Dichloroethene	4.02	96	69649	18.272	ug/l	96
13) Acrolein	3.89	56	23641	84.172	ug/l	98
14) Allyl chloride	4.65	41	116620	16.112	ug/l	97
15) Acrylonitrile	5.37	53	63362	70.655	ug/l	98
16) Acetone	4.14	43	66975	72.899	ug/l	96
17) Carbon Disulfide	4.37	76	209436	17.203	ug/l	98
18) Methyl Acetate	4.67	43	32487	13.257	ug/l	91
19) Methyl tert-butyl Ether	5.42	73	103816	16.461	ug/l	96
20) Methylene Chloride	4.90	84	75019	17.716	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	76112	17.761	ug/l	99
22) Diisopropyl ether	6.31	45	216272	15.765	ug/l	96
23) Vinyl Acetate	6.25	43	596788	73.675	ug/l	99
24) 1,1-Dichloroethane	6.20	63	130812	16.846	ug/l	98
25) 2-Butanone	7.18	43	88302	69.196	ug/l	100
26) 2,2-Dichloropropane	7.16	77	97673	18.609	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	81851	17.525	ug/l	98
28) Bromochloromethane	7.51	49	60109	16.854	ug/l	91
29) Tetrahydrofuran	7.54	42	51608	63.818	ug/l	94
30) Chloroform	7.67	83	132649	17.368	ug/l	97
31) Cyclohexane	7.95	56	136044	16.944	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	119870	18.171	ug/l	98
36) 1,1-Dichloropropene	8.07	75	109896	18.669	ug/l	99
37) Ethyl Acetate	7.25	43	36195	13.898	ug/l #	95
38) Carbon Tetrachloride	8.06	117	116265	19.627	ug/l	96

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Manual Integrations
 APPROVED

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 2/4/2019 4:32:18 PM

Quant Time: Feb 02 01:32:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	144463	18.681	ug/l	95
40) Benzene	8.32	78	295796	18.109	ug/l	98
41) Methacrylonitrile	7.48	41	23183	15.033	ug/l	95
42) 1,2-Dichloroethane	8.40	62	82756	17.482	ug/l	99
43) Isopropyl Acetate	8.42	43	79811	14.751	ug/l	96
44) Trichloroethene	9.09	130	84939	19.122	ug/l	97
45) 1,2-Dichloropropane	9.37	63	71734	17.613	ug/l	98
46) Dibromomethane	9.46	93	35836	17.107	ug/l	97
47) Bromodichloromethane	9.64	83	96707	17.454	ug/l	99
48) Methyl methacrylate	9.43	41	37462	14.160	ug/l	96
49) 1,4-Dioxane	9.48	88	10232	288.968	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	187168	70.020	ug/l	98
52) Toluene	10.38	92	195062	18.090	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	99377	16.855	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	115679	17.289	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	49870	17.163	ug/l	97
56) Ethyl methacrylate	10.65	69	61401	15.081	ug/l	96
57) 1,3-Dichloropropane	10.93	76	88552	17.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	166824	84.332	ug/l	97
59) 2-Hexanone	10.97	43	133059	70.511	ug/l	99
60) Dibromochloromethane	11.13	129	64533	17.283	ug/l	99
61) 1,2-Dibromoethane	11.23	107	47816	16.597	ug/l	99
64) Tetrachloroethene	10.86	164	74233	20.242	ug/l	98
65) Chlorobenzene	11.66	112	211628	19.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	73788	18.652	ug/l	98
67) Ethyl Benzene	11.73	91	379448	18.669	ug/l	98
68) m/p-Xylenes	11.84	106	294103	37.295	ug/l	97
69) o-Xylene	12.16	106	138502	18.485	ug/l	97
70) Styrene	12.18	104	219719	17.753	ug/l	98
71) Bromoform	12.35	173	36364	16.337	ug/l #	99
73) Isopropylbenzene	12.46	105	388708	19.103	ug/l	99
74) N-amyl acetate	12.27	43	75985	14.495	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	52810	16.393	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	37976m	16.003	ug/l	
77) Bromobenzene	12.75	156	84619	19.041	ug/l	92
78) n-propylbenzene	12.80	91	457179	18.706	ug/l	98
79) 2-Chlorotoluene	12.89	91	253273	18.365	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	316520	18.610	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17897	14.896	ug/l	94
82) 4-Chlorotoluene	12.99	91	262784	17.897	ug/l	97
83) tert-Butylbenzene	13.21	119	282225	18.647	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	321700	18.609	ug/l	98
85) sec-Butylbenzene	13.38	105	408659	18.906	ug/l	99
86) p-Isopropyltoluene	13.50	119	360596	19.045	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	170553	19.003	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	168609	18.904	ug/l	99
89) n-Butylbenzene	13.83	91	342566	18.427	ug/l	99
90) Hexachloroethane	14.10	117	70154	18.947	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	146510	18.449	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9339	15.278	ug/l	97

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ClientSampleId :
VW0201SBS01

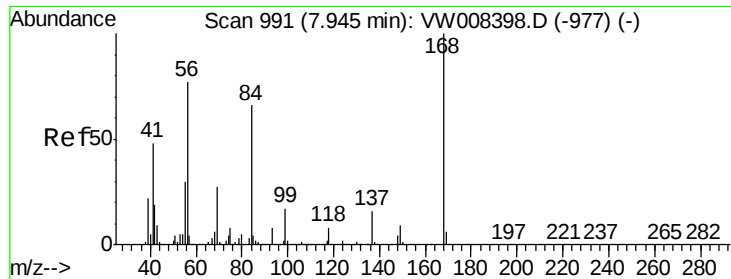
Manual Integrations
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2/4/2019 4:32:18 PM

Quant Time: Feb 02 01:32:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	109529	19.328	ug/l	99
94) Hexachlorobutadiene	15.24	225	70482	20.638	ug/l	99
95) Naphthalene	15.37	128	172545	17.341	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	92401	19.222	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion:168 Resp: 416447

Ion Ratio Lower Upper

168 100

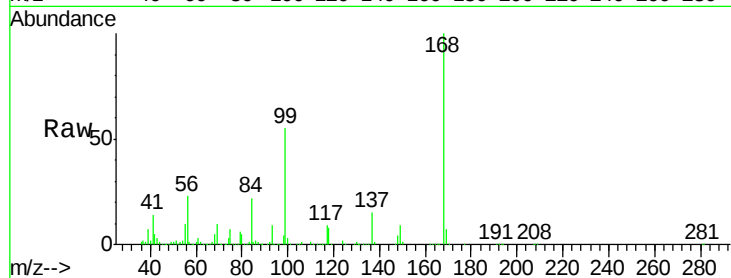
99 54.7 45.5 68.3

Manual Integrations

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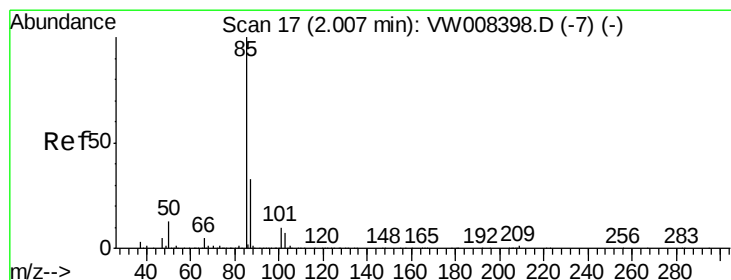
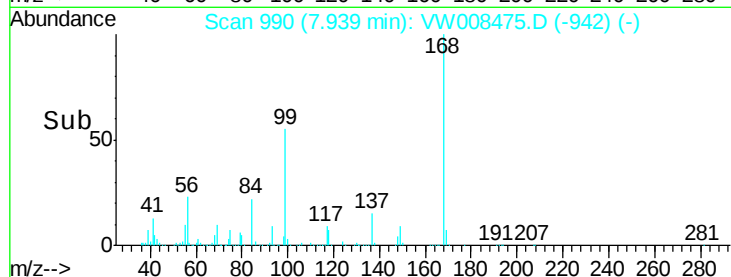
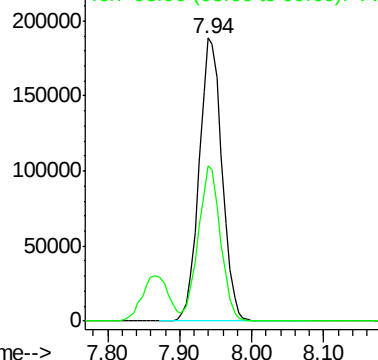
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.070 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008475.D

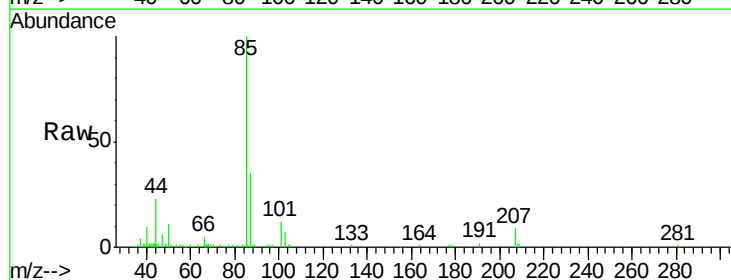
Acq: 01 Feb 2019 12:19

Tgt Ion: 85 Resp: 32994

Ion Ratio Lower Upper

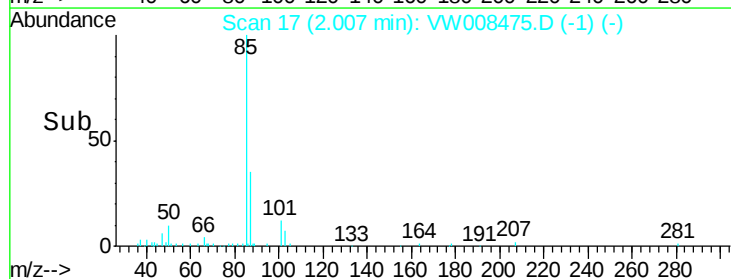
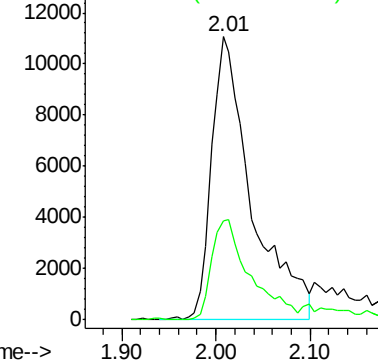
85 100

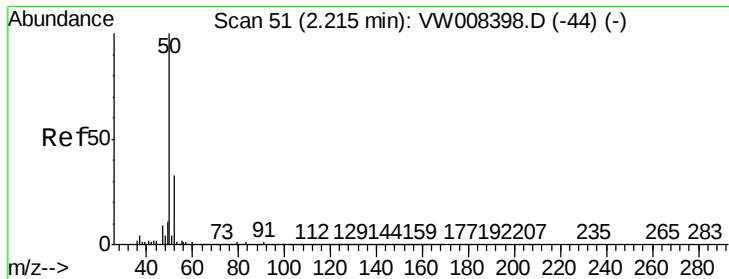
87 34.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.318 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 50 Resp: 52071

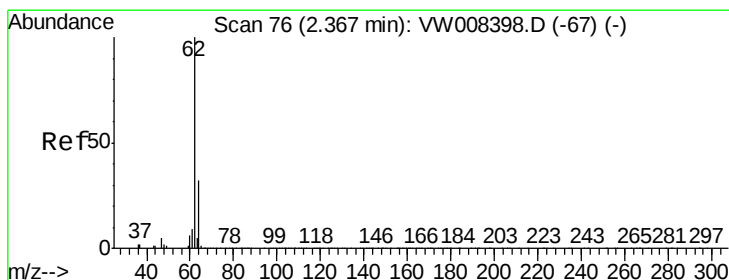
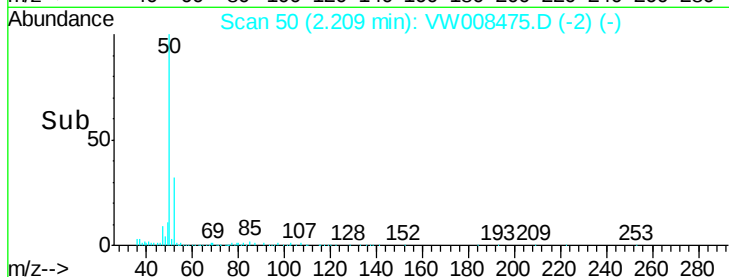
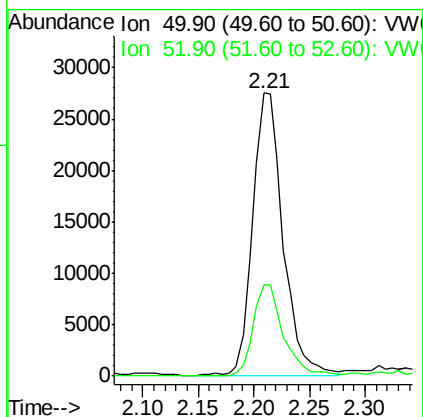
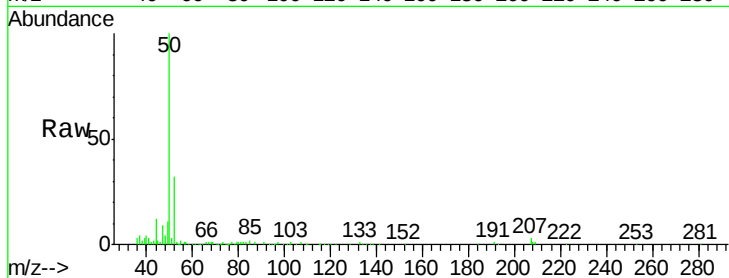
Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.031 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008475.D

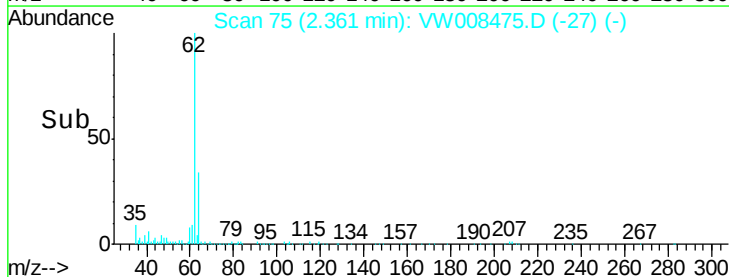
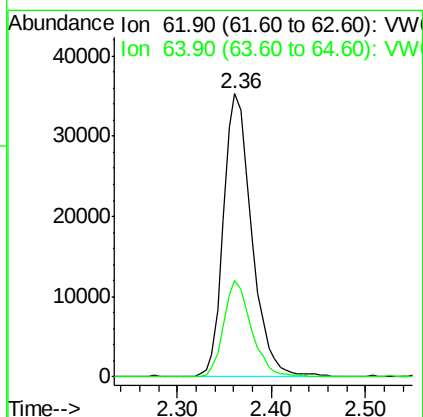
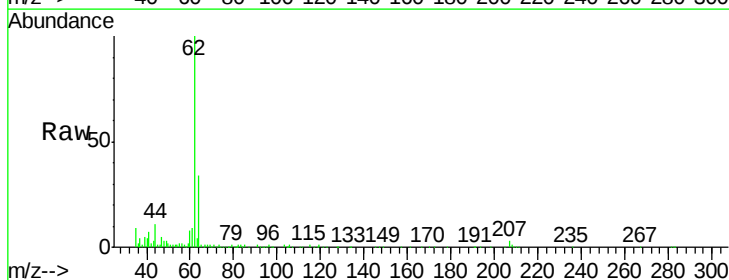
Acq: 01 Feb 2019 12:19

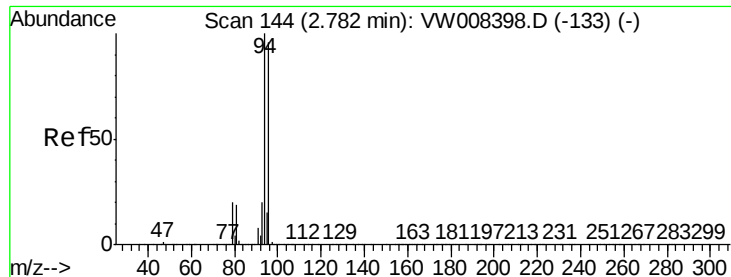
Tgt Ion: 62 Resp: 73700

Ion Ratio Lower Upper

62 100

64 34.1 25.5 38.3





#5

Bromomethane

Concen: 20.738 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 94 Resp: 57882

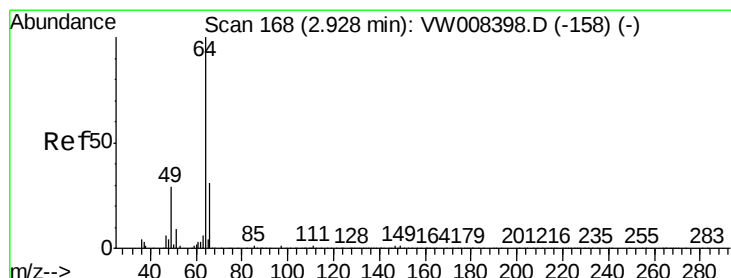
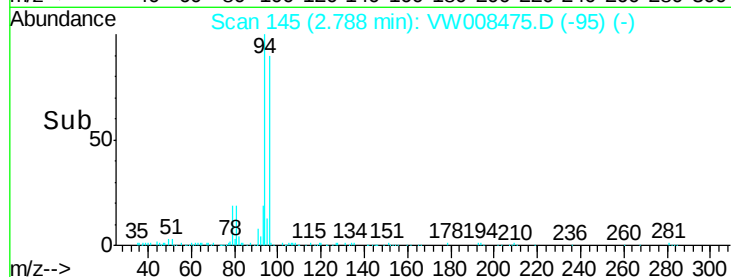
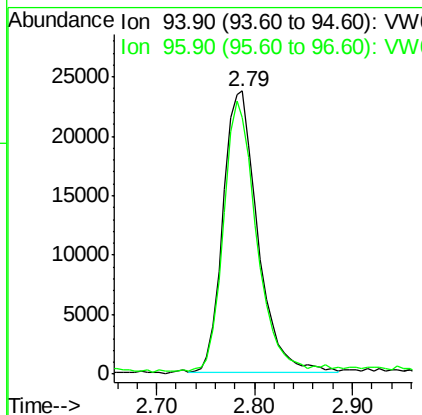
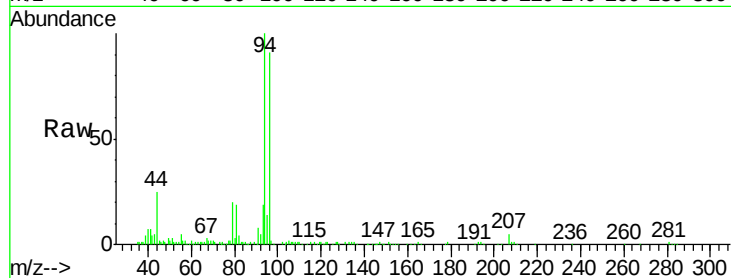
Ion Ratio Lower Upper

94 100

96 90.2 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 23.348 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008475.D

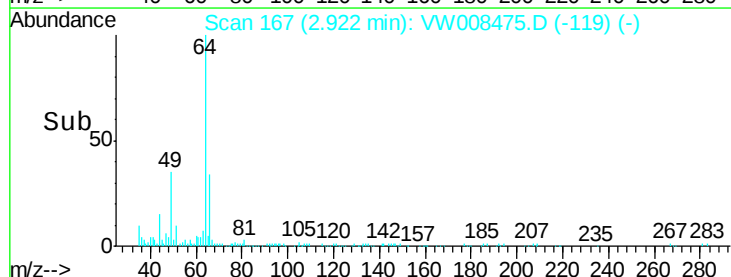
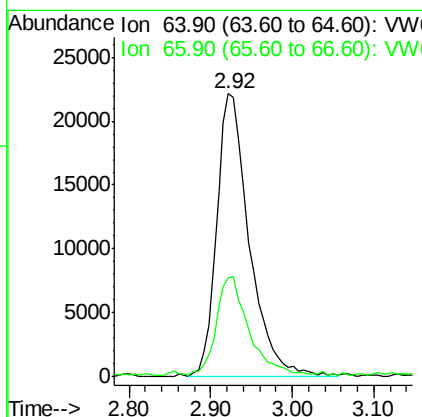
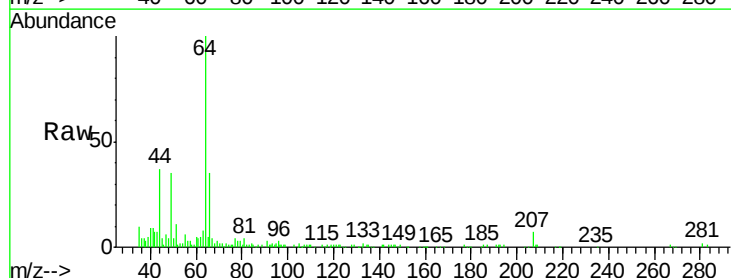
Acq: 01 Feb 2019 12:19

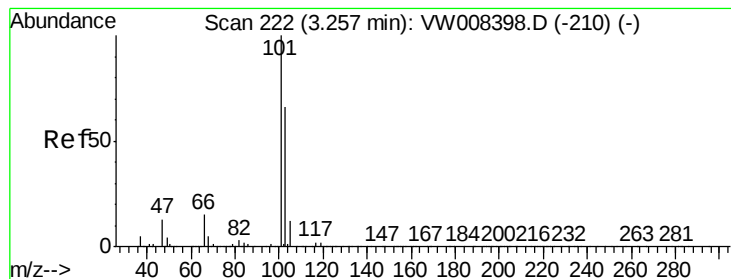
Tgt Ion: 64 Resp: 61789

Ion Ratio Lower Upper

64 100

66 34.5 24.9 37.3





#7

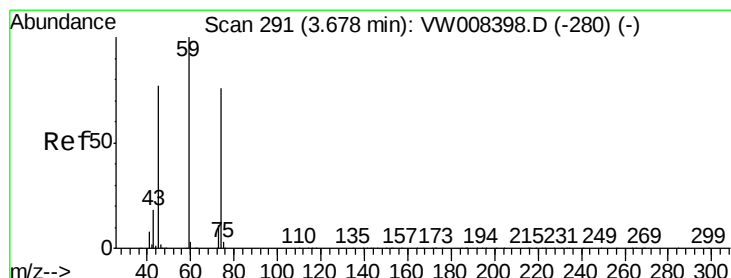
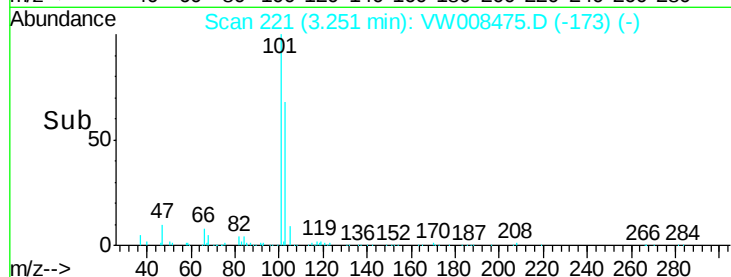
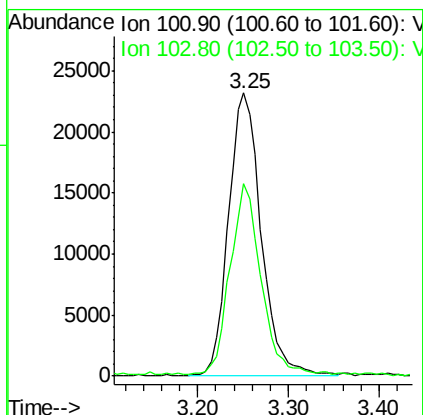
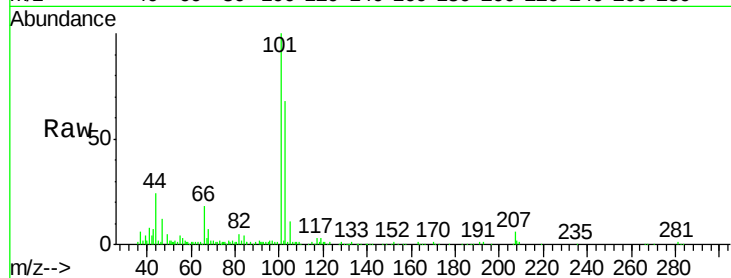
Trichlorofluoromethane
Concen: 18.730 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.5	78.7

Manual Integrations
APPROVED

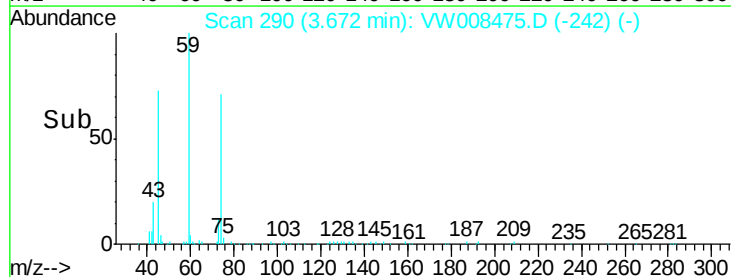
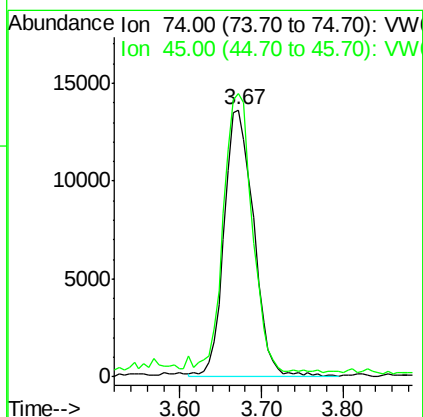
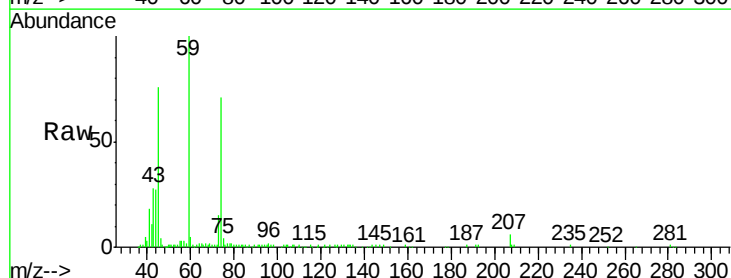
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2/4/2019 4:32:18 PM



#8

Diethyl Ether
Concen: 16.505 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.083 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

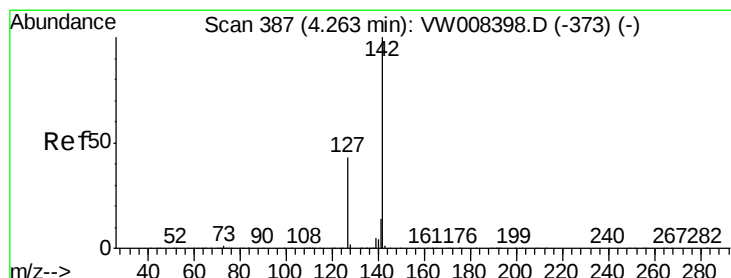
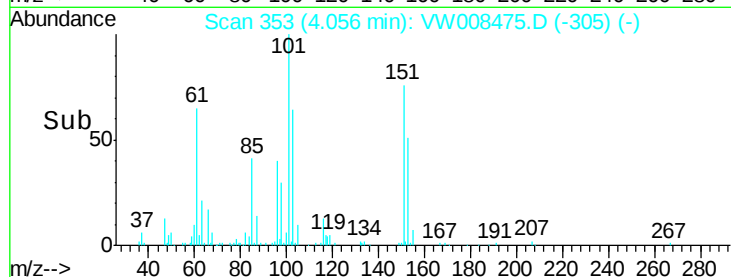
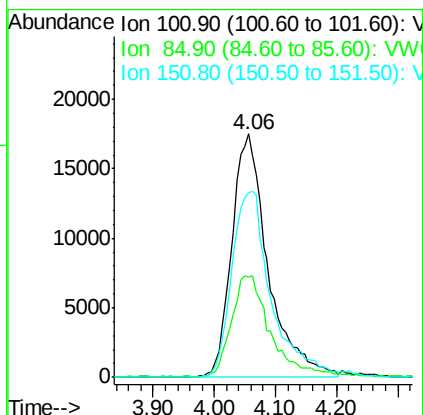
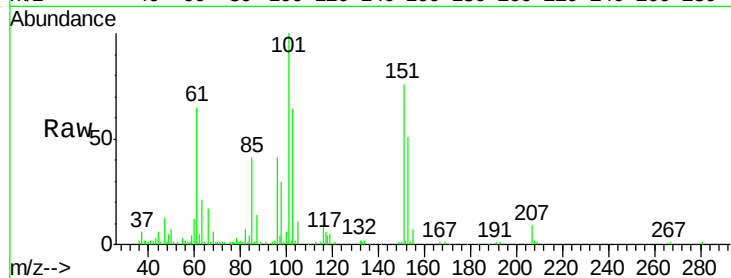
ClientSampleId :

VW0201SBS01

Tot Ion:	101	Resp:	71878
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.0	52.4
151	82.3	62.6	94.0

Manual Integrations
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MMDadoda
2/4/2019 4:32:18 PM



#10

Methyl Iodide

Concen: 18.814 ug/l

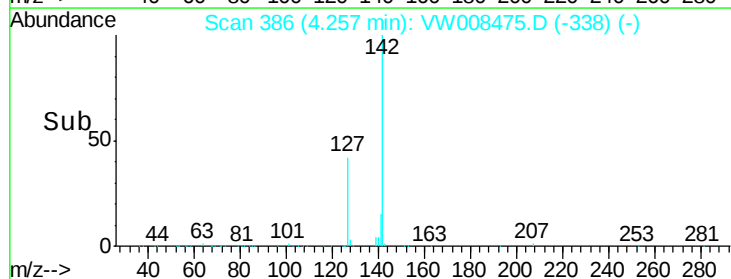
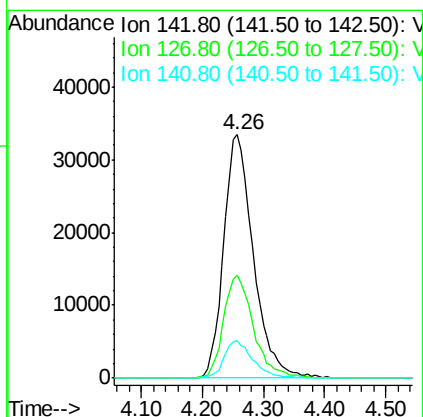
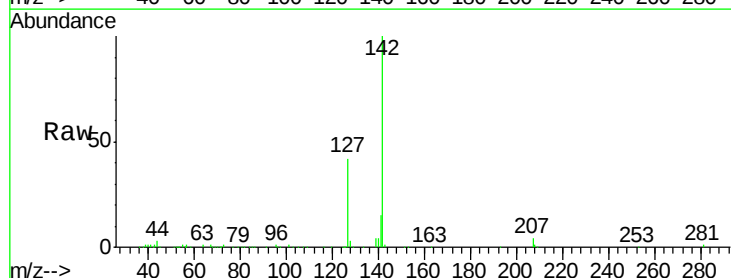
RT: 4.26 min Scan# 386

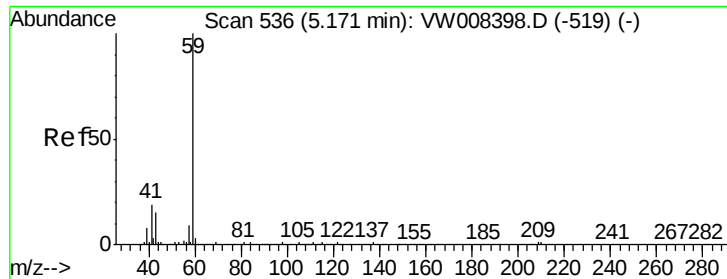
Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion:	142	Resp:	111934
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.6	52.0
141	14.8	11.4	17.2





#11

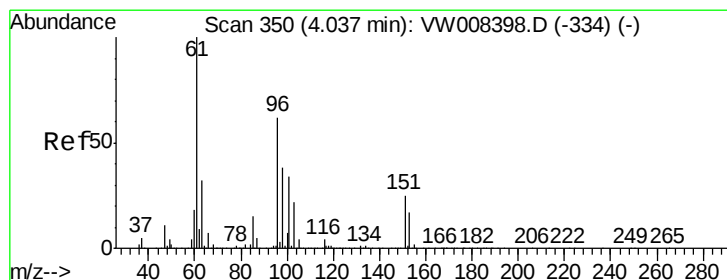
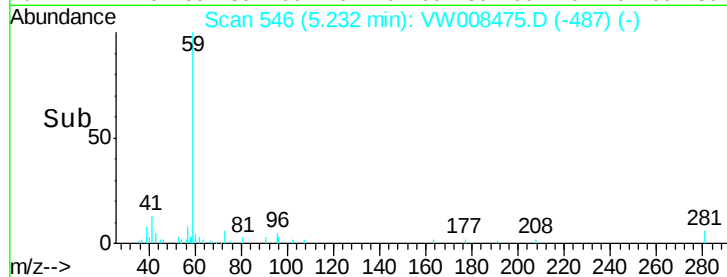
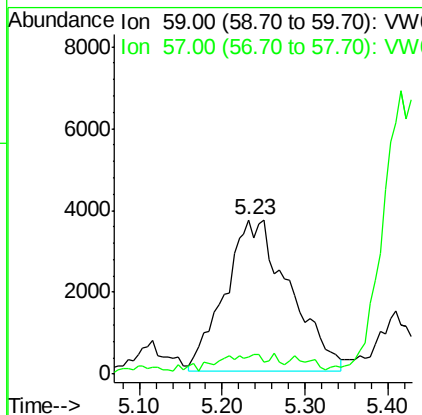
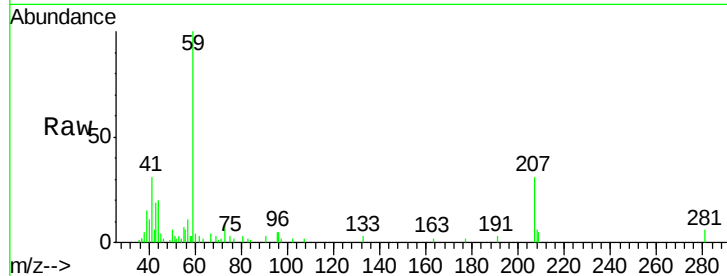
Tert butyl alcohol
Concen: 60.940 ug/l m
RT: 5.23 min Scan# 546
Delta R.T. 0.06 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

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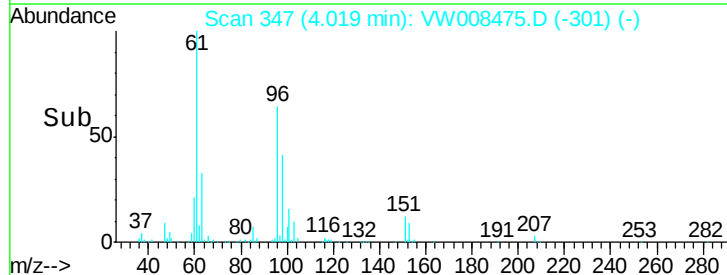
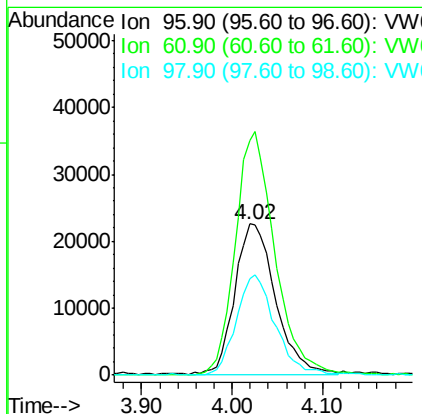
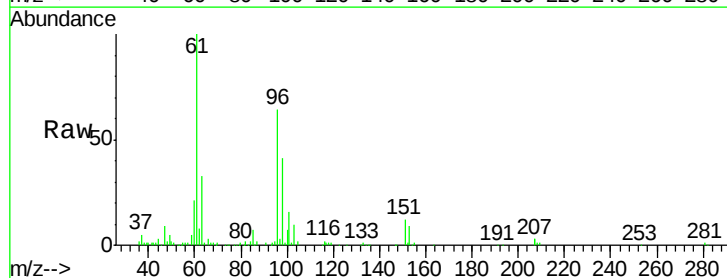
MMDadoda
2/4/2019 4:32:18 PM

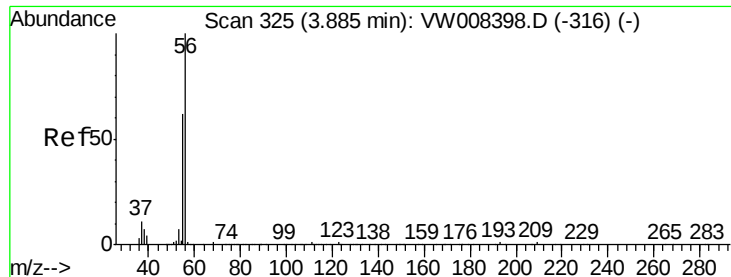


#12

1,1-Dichloroethene
Concen: 18.272 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.02 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	129.5	194.3
98	63.7	48.6	73.0





#13

Acrolein

Concen: 84.172 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 56 Resp: 23641

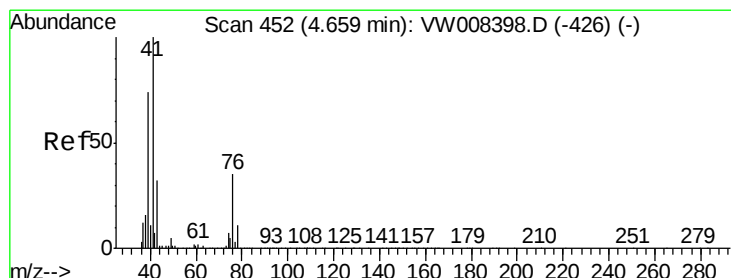
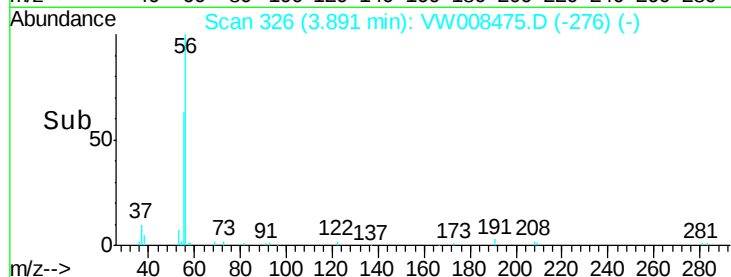
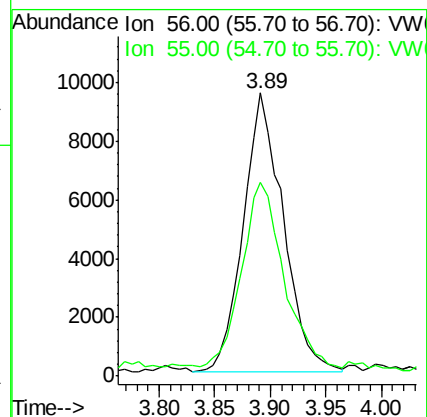
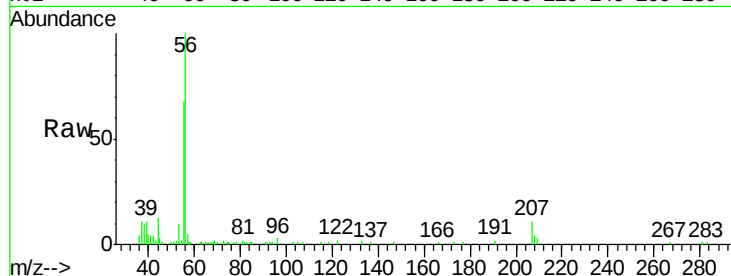
Ion Ratio Lower Upper

56 100

55 69.7 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 16.112 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

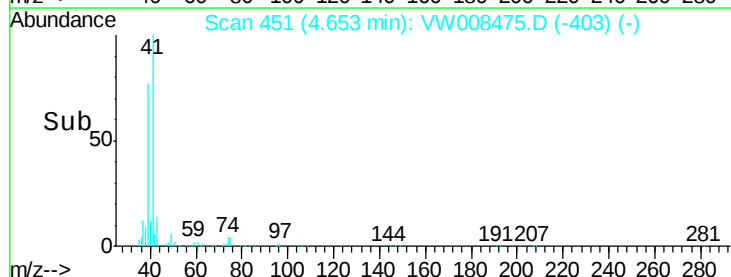
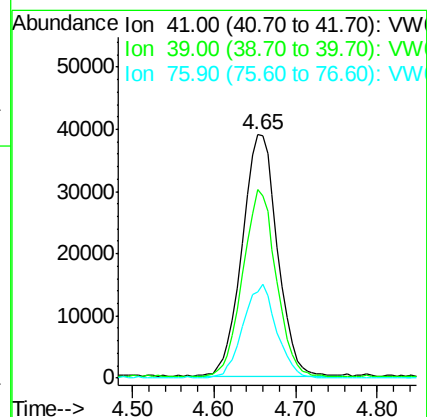
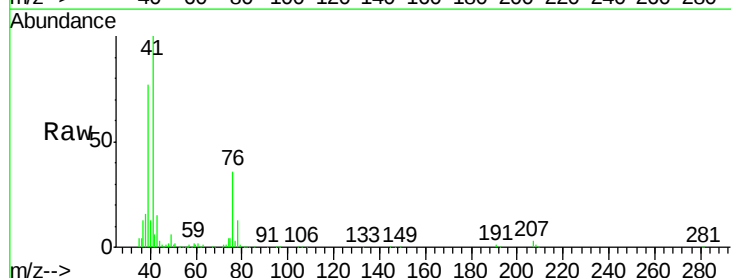
Tgt Ion: 41 Resp: 116620

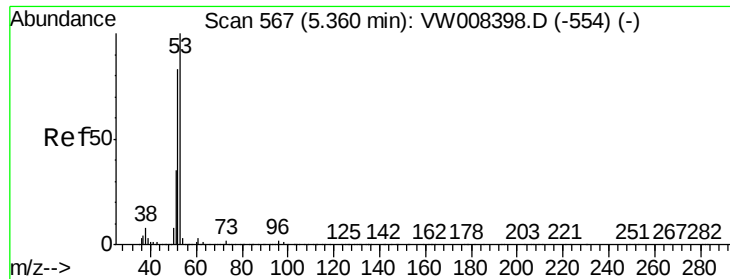
Ion Ratio Lower Upper

41 100

39 74.1 57.7 86.5

76 36.9 26.9 40.3





#15

Acrylonitrile

Concen: 70.655 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

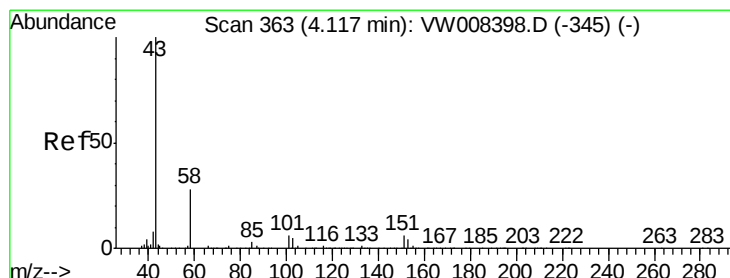
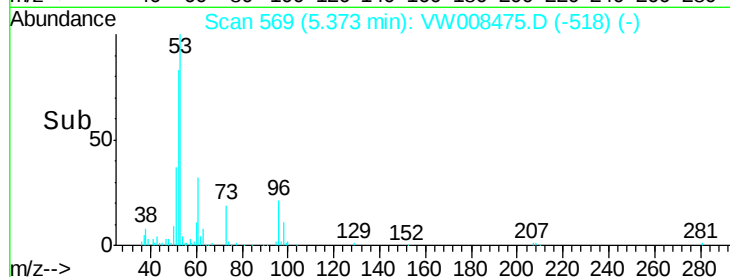
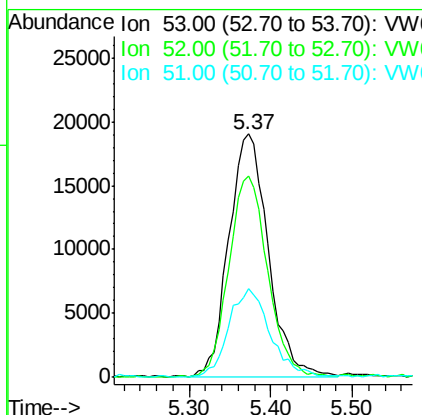
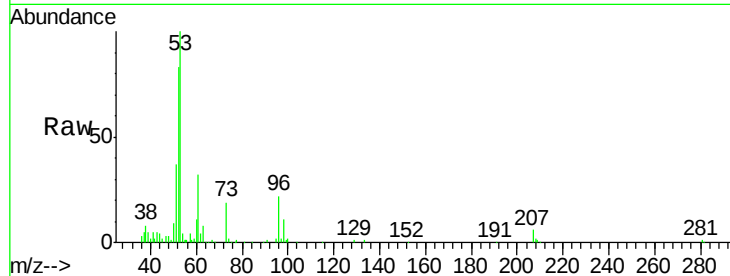
ClientSampleId :

VW0201SBS01

Tot Ion:	53	Resp:	63362
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.0	100.4
51	38.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 72.899 ug/l

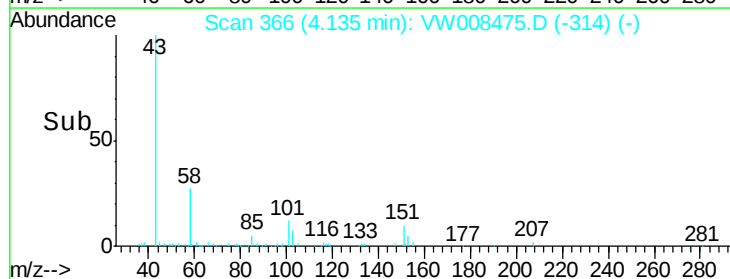
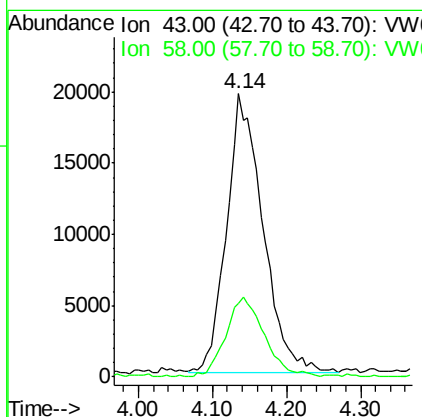
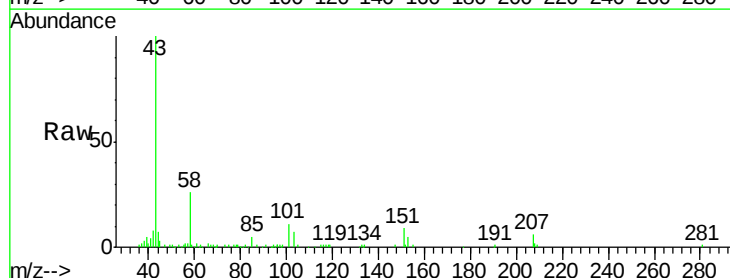
RT: 4.14 min Scan# 366

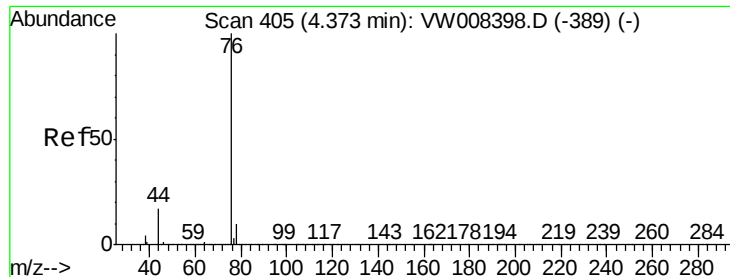
Delta R.T. 0.02 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion:	43	Resp:	66975
Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.6	34.0





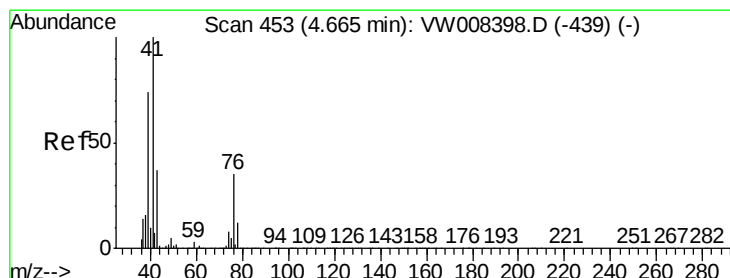
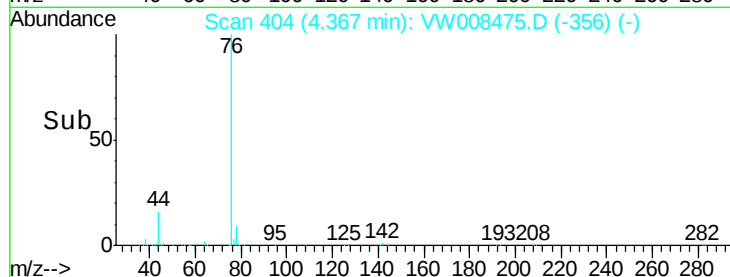
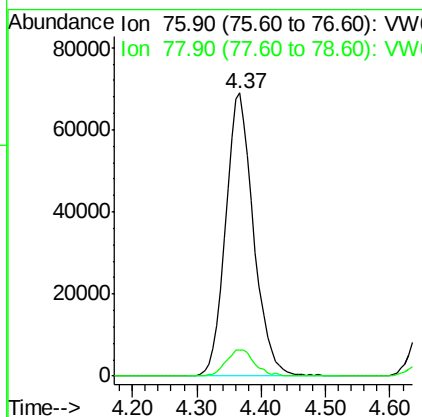
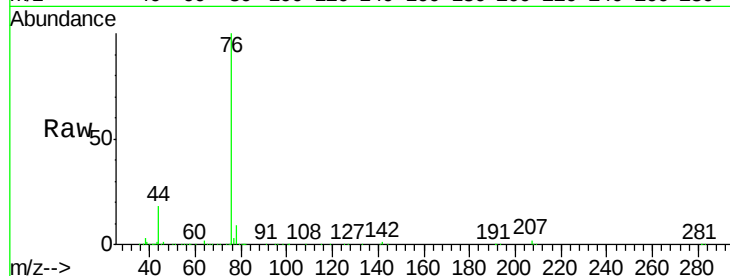
#17
Carbon Disulfide
Concen: 17.203 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

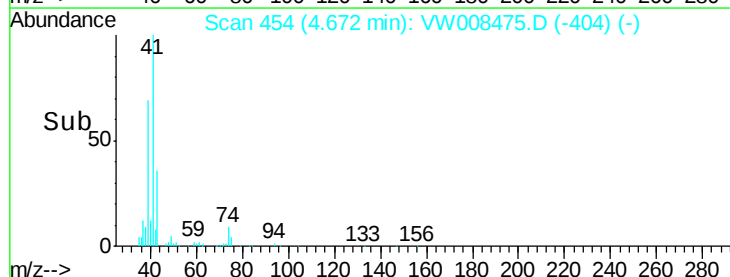
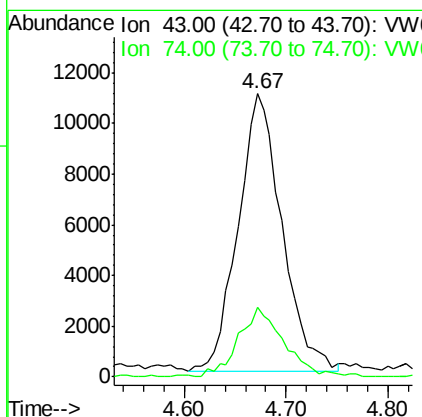
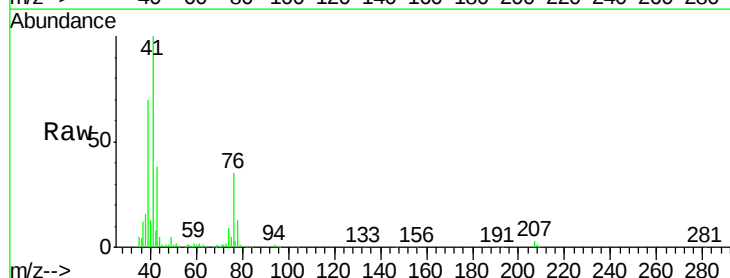
Manual Integrations
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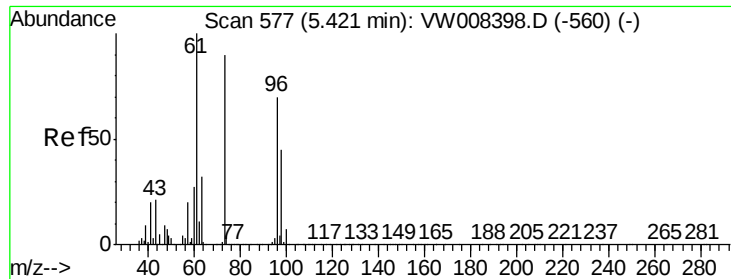
MMDadoda
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#18
Methyl Acetate
Concen: 13.257 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	17.5	26.3





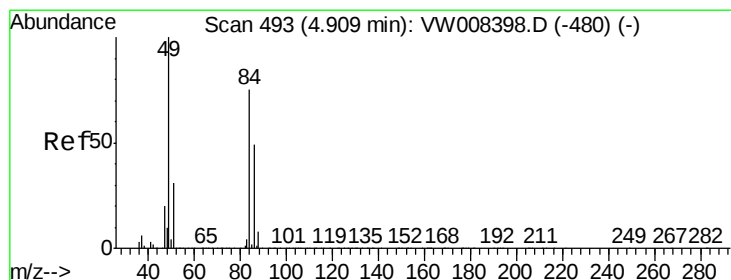
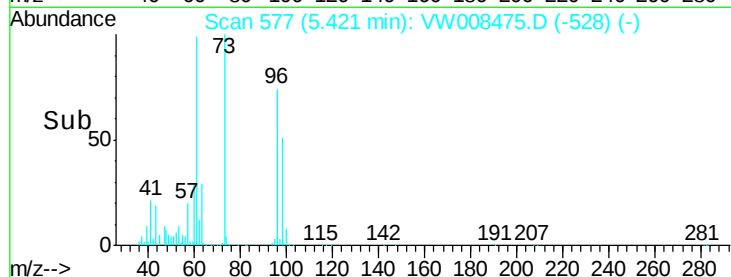
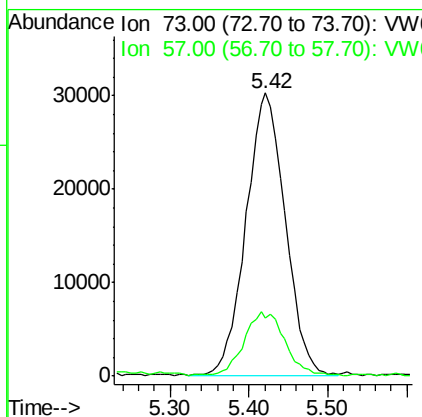
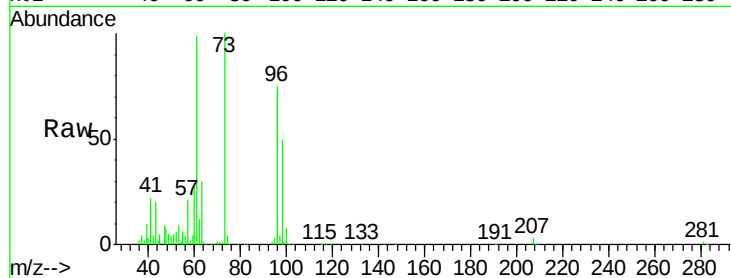
#19
Methvl tert-butvl Ether
Concen: 16.461 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	18.0	27.0

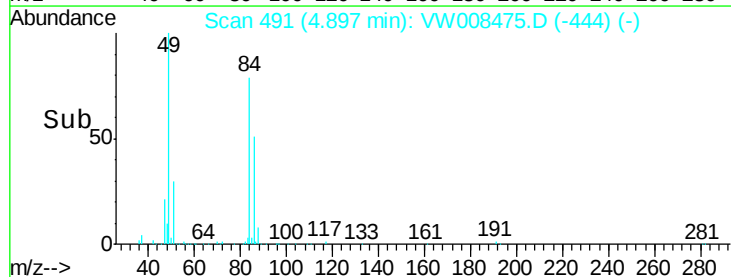
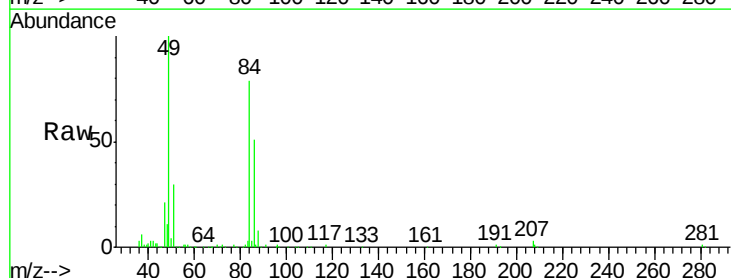
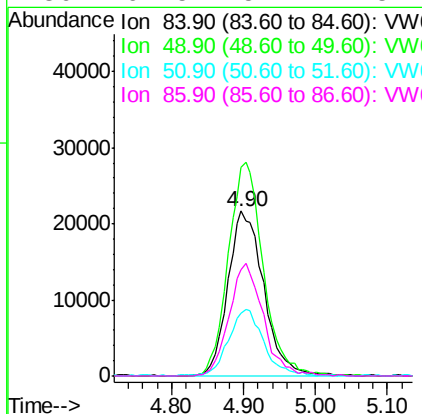
Manual Integrations
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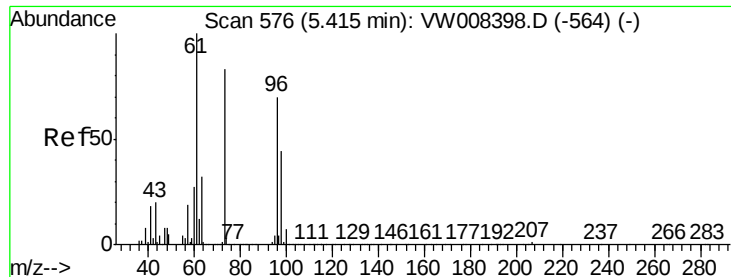
MMDadoda
2/4/2019 4:32:18 PM



#20
Methylene Chloride
Concen: 17.716 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.2	106.8	160.2
51	38.3	32.9	49.3
86	64.5	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 17.761 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

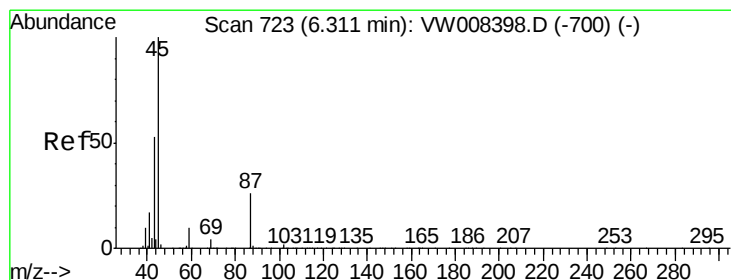
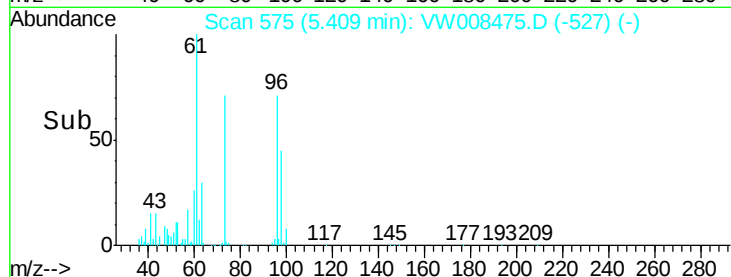
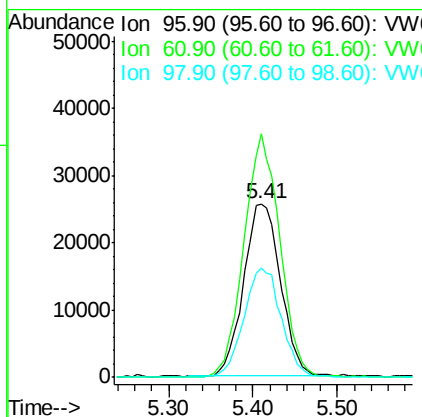
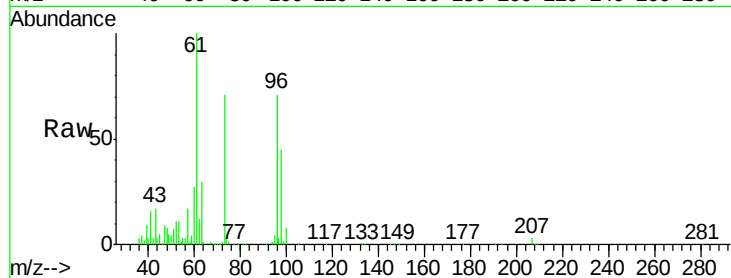
ClientSampleId :

VW0201SBS01

Tot Ion:	96	Resp:	76112
Ion Ratio	Lower	Upper	
96	100		
61	141.4	114.4	171.6
98	63.3	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 15.765 ug/l

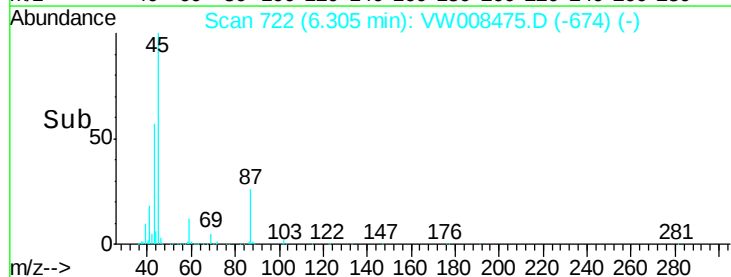
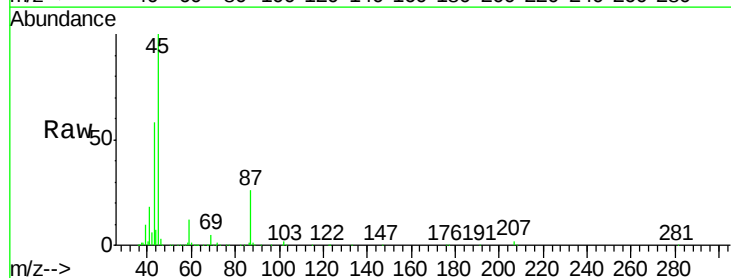
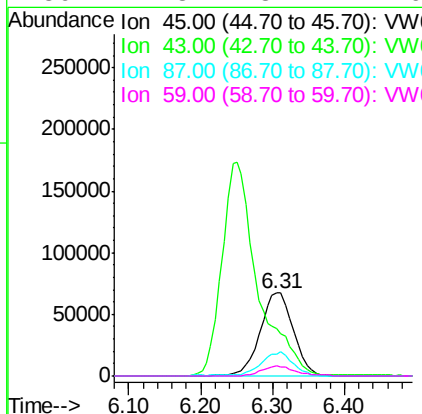
RT: 6.31 min Scan# 722

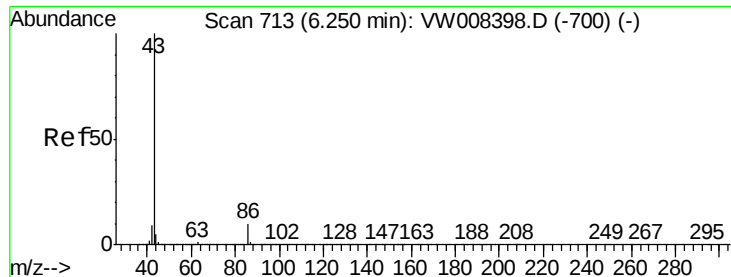
Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion:	45	Resp:	216272
Ion Ratio	Lower	Upper	
45	100		
43	57.4	42.6	63.8
87	26.2	20.3	30.5
59	11.8	8.4	12.6





#23

Vinyl Acetate

Concen: 73.675 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 43 Resp: 596788

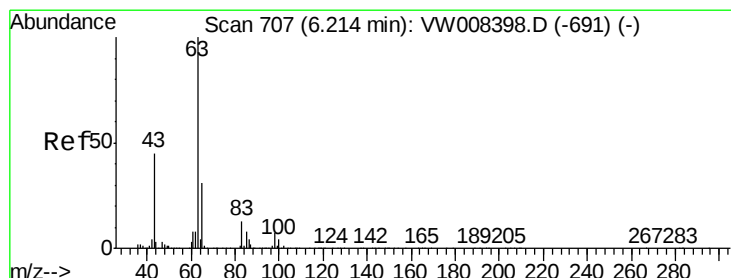
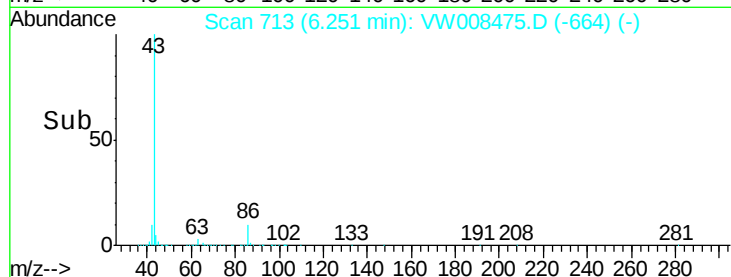
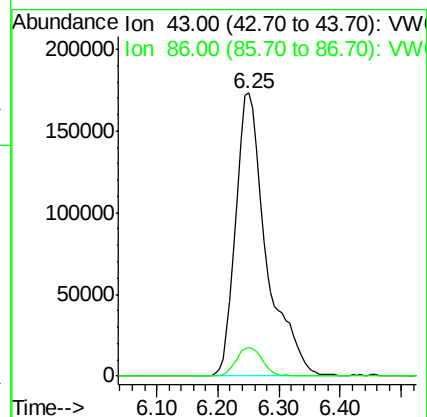
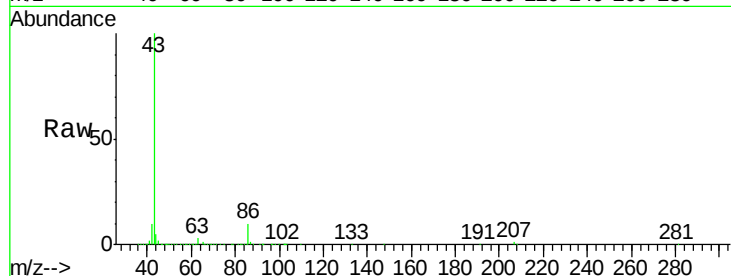
Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 16.846 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

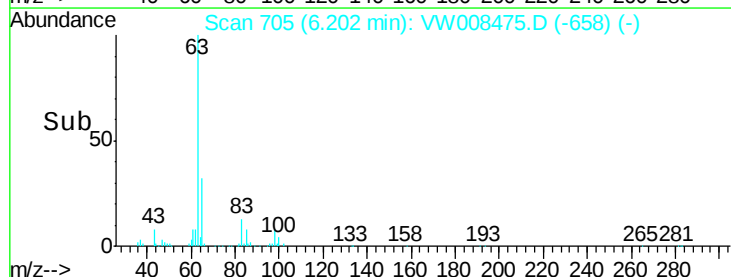
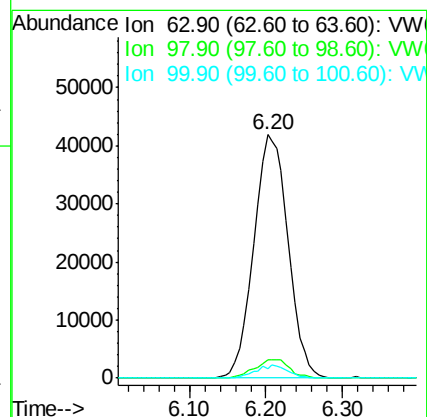
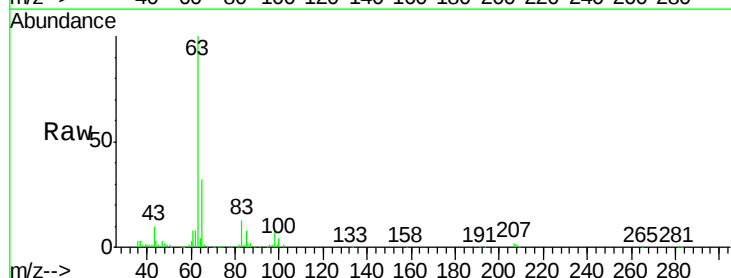
Tgt Ion: 63 Resp: 130812

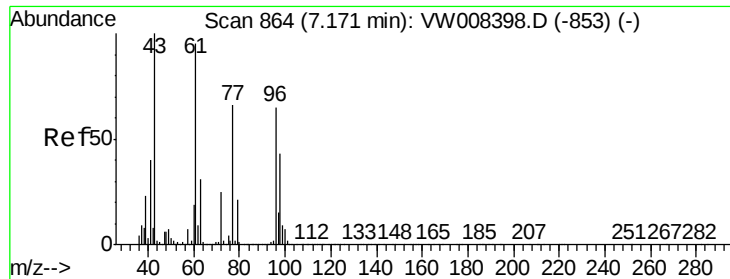
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.5

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 69.196 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 43 Resp: 88302

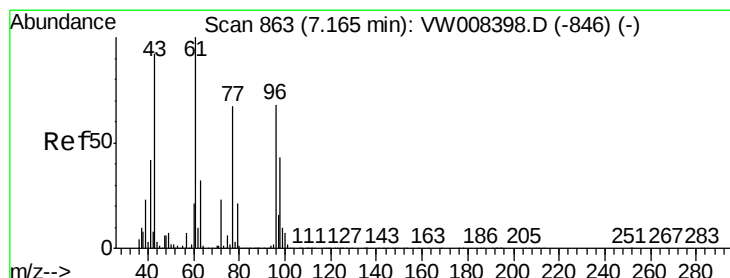
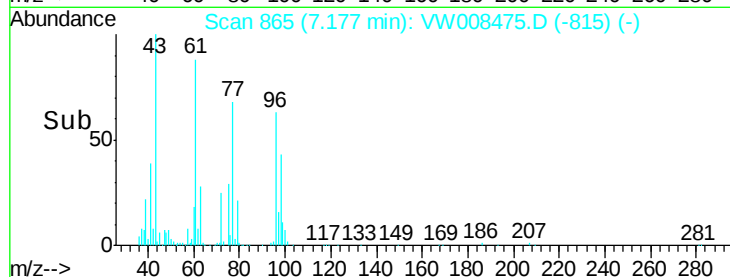
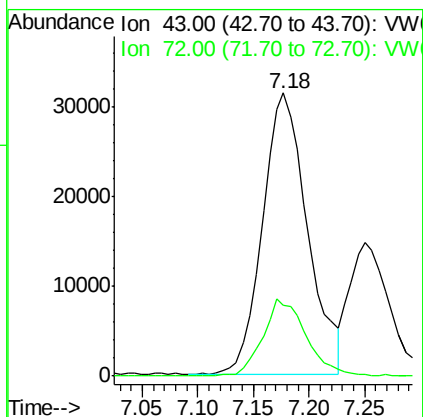
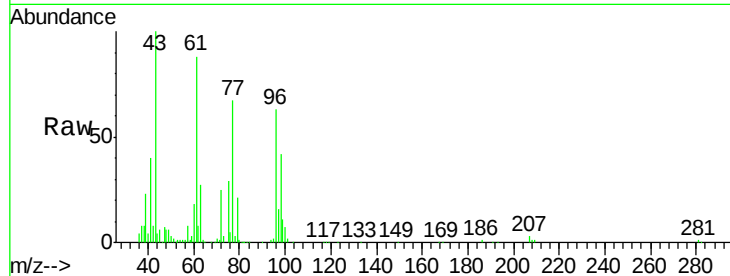
Ion Ratio Lower Upper

43 100

72 25.0 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.609 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008475.D

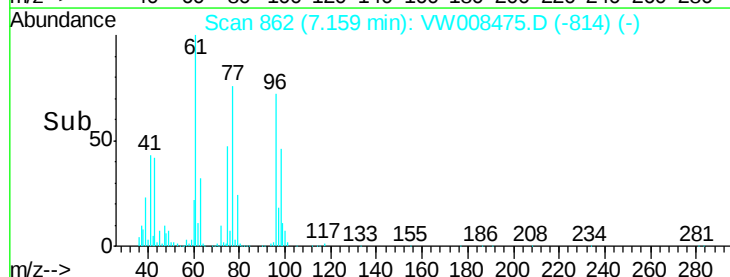
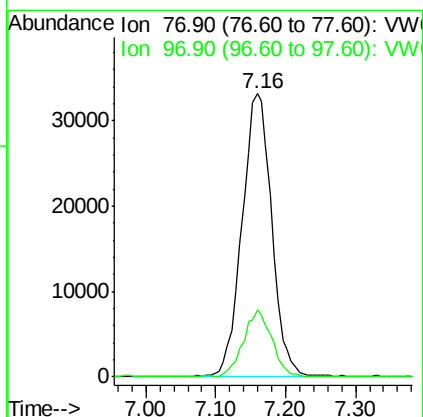
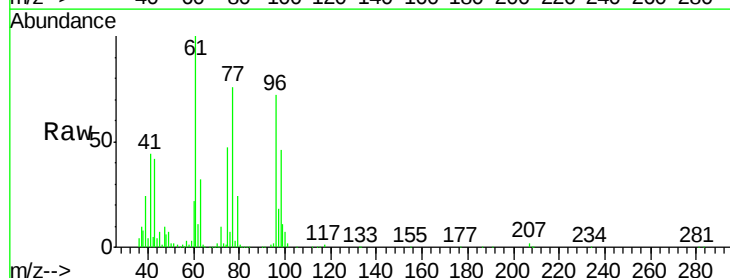
Acq: 01 Feb 2019 12:19

Tgt Ion: 77 Resp: 97673

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.5





#27

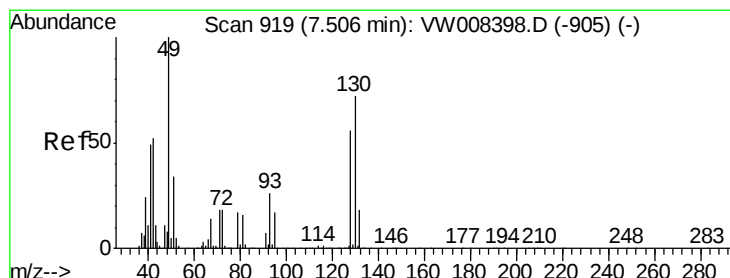
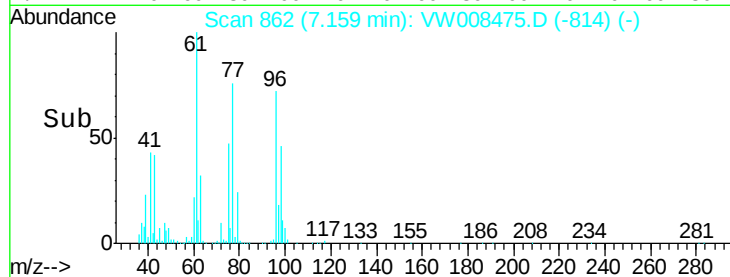
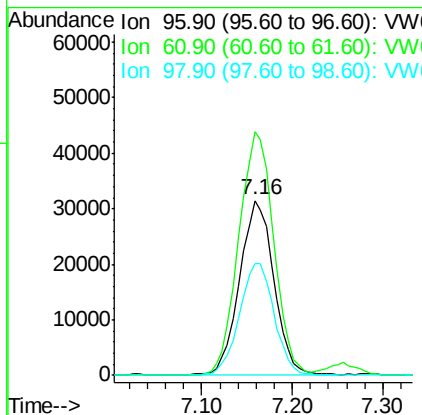
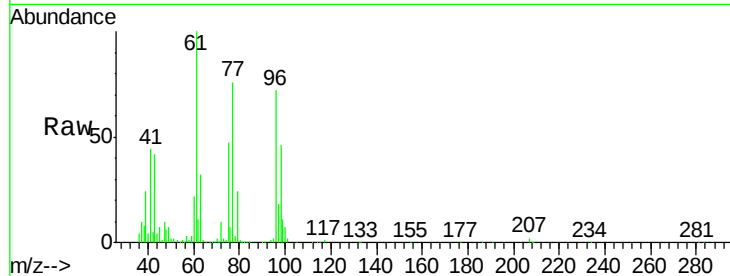
cis-1,2-Dichloroethene
 Concen: 17.525 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	292.8
98	65.5	0.0	129.2

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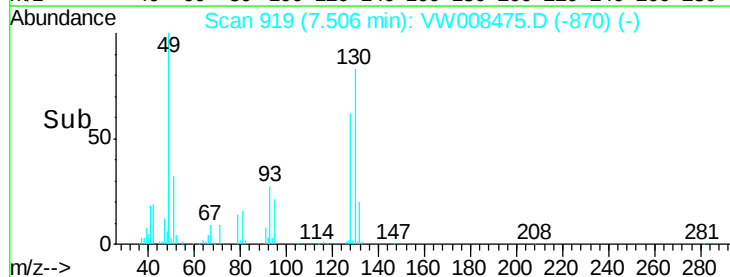
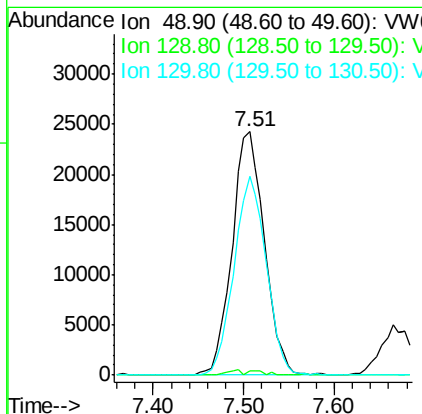
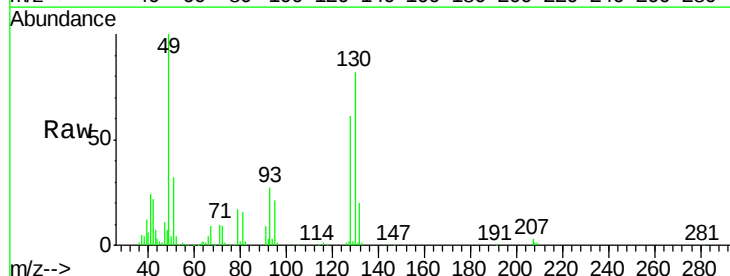
MMDadoda
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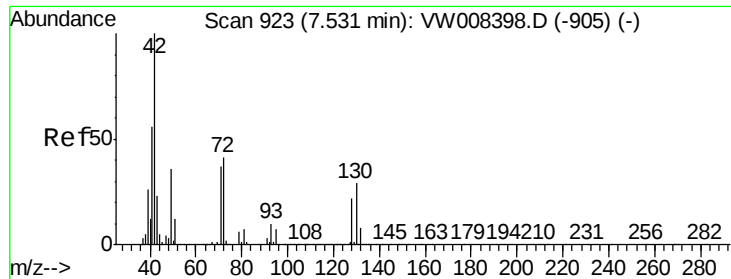


#28

Bromochloromethane
 Concen: 16.854 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	81.2	58.6	87.8





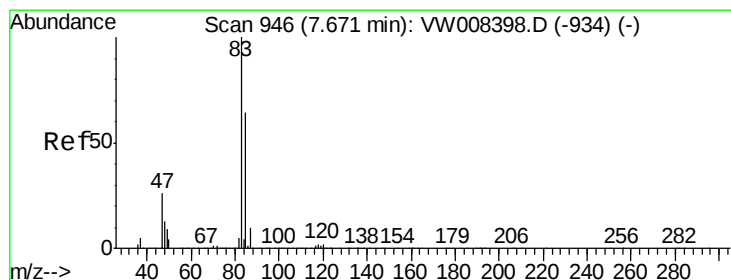
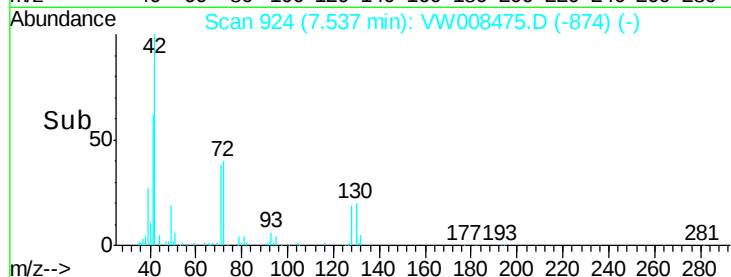
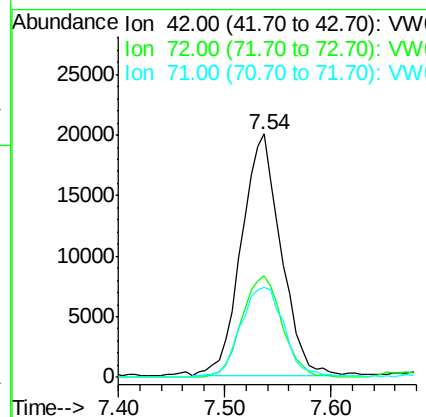
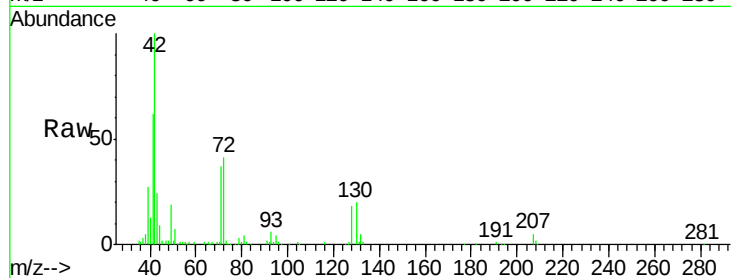
#29
Tetrahydrofuran
Concen: 63.818 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	31.9	47.9
71	41.8	29.9	44.9

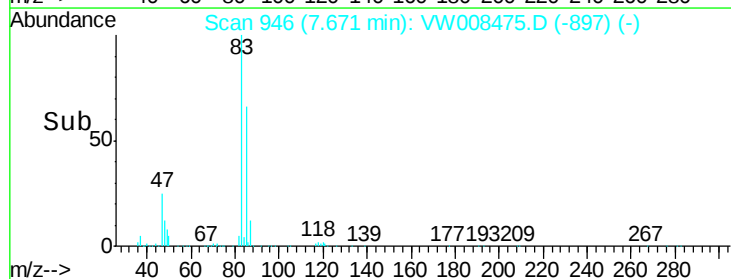
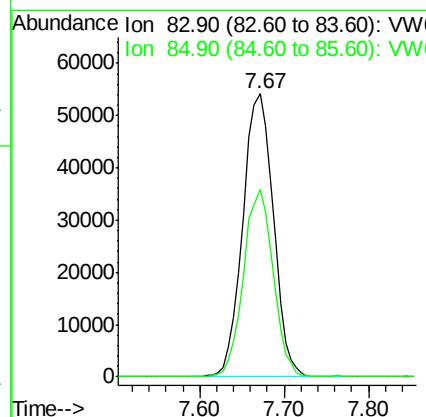
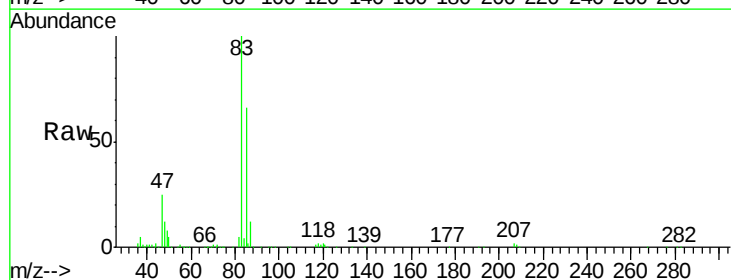
Manual Integrations
APPROVED

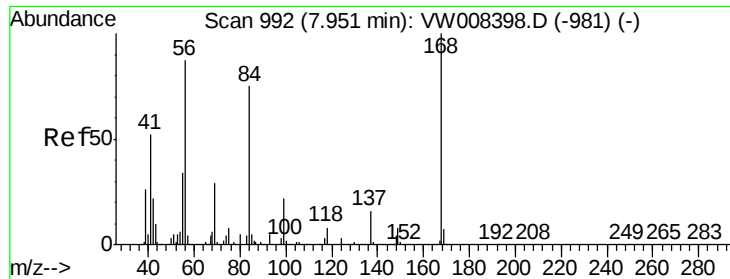
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#30
Chloroform
Concen: 17.368 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.9	76.3





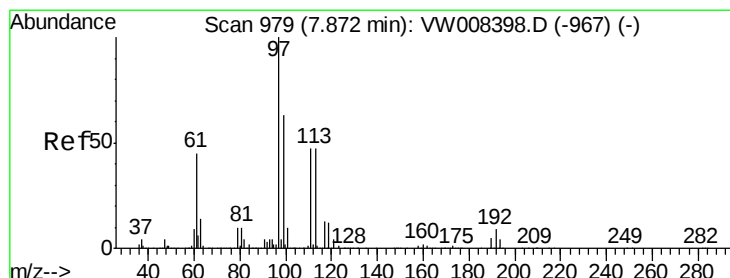
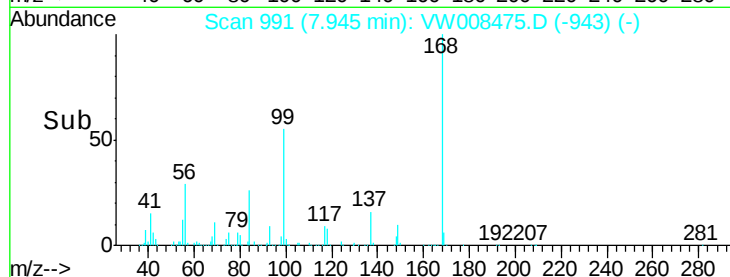
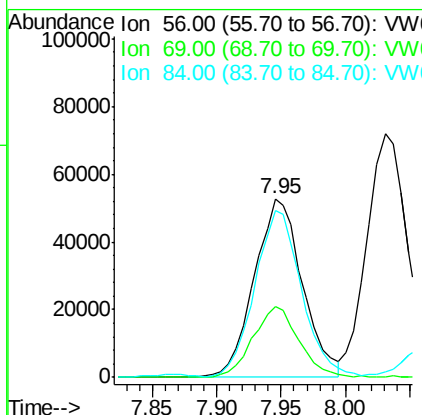
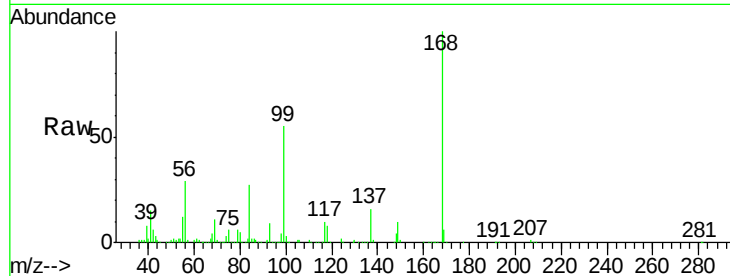
#31
Cyclohexane
Concen: 16.944 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.6	26.4	39.6
84	92.5	69.1	103.7

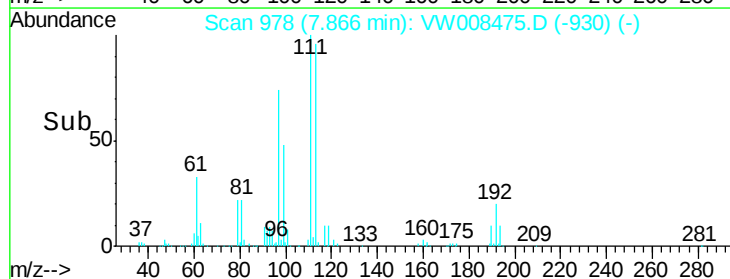
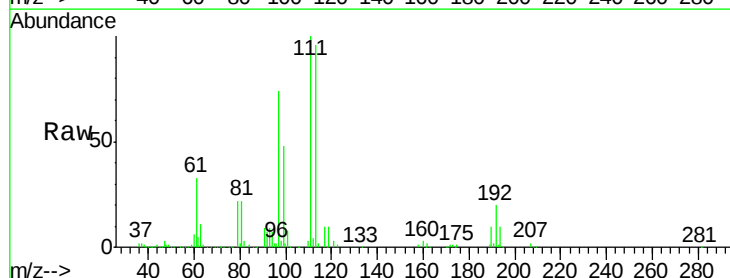
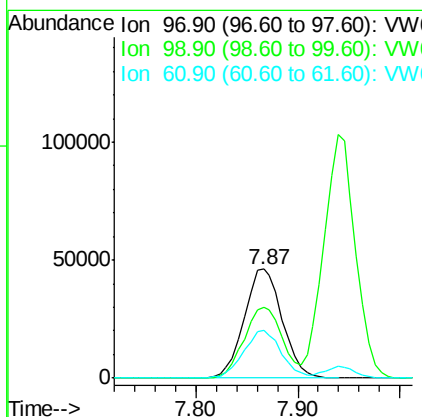
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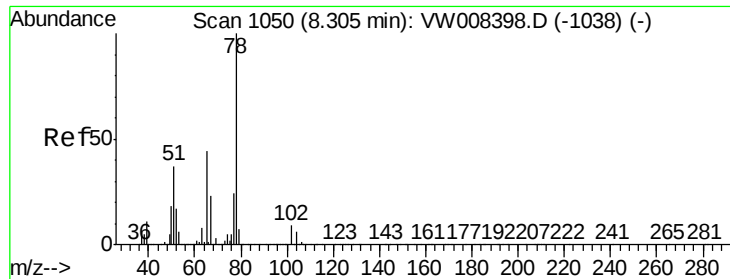
MMDadoda
2/4/2019 4:32:18 PM



#32
1,1,1-Trichloroethane
Concen: 18.171 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.3	76.9
61	43.5	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 45.627 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 65 Resp: 186668

Ion Ratio Lower Upper

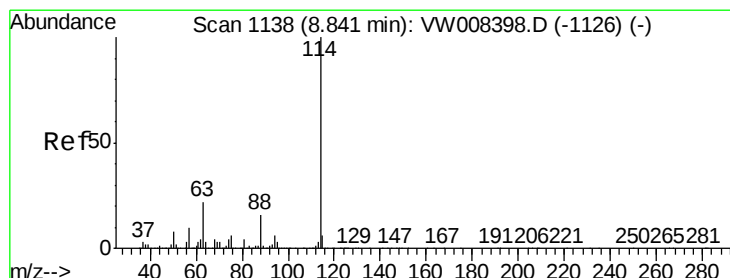
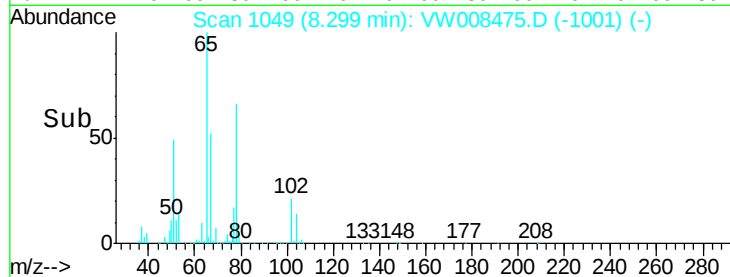
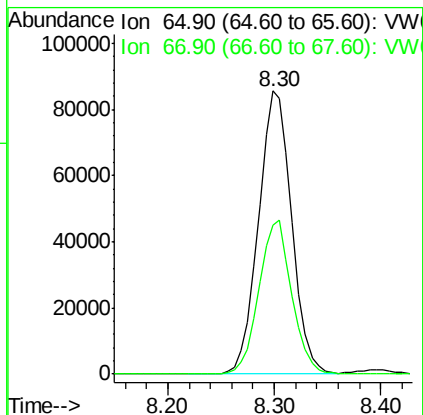
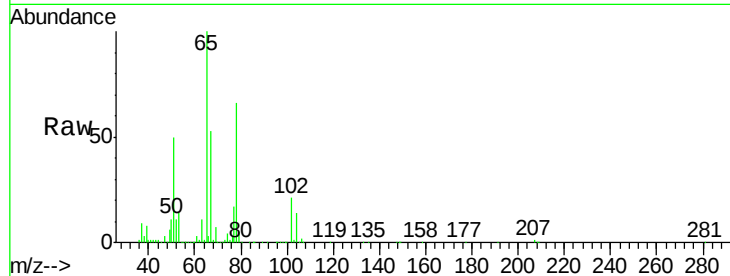
65 100

67 53.9 0.0 104.0

Manual Integrations
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2/4/2019 4:32:18 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

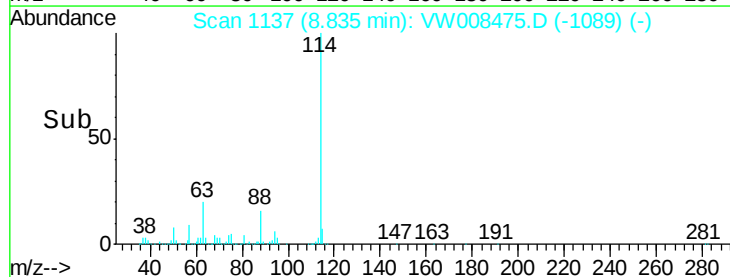
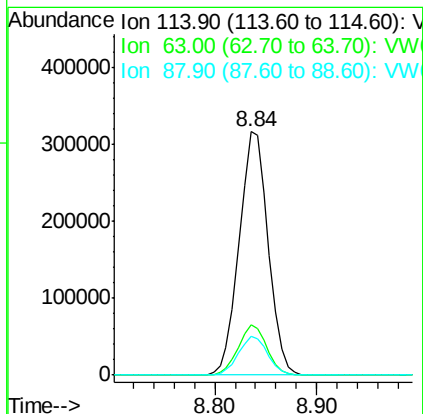
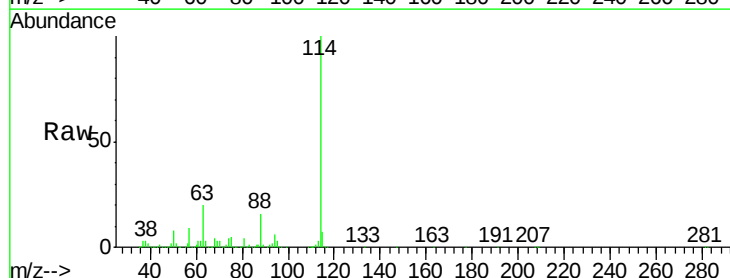
Tgt Ion: 114 Resp: 623178

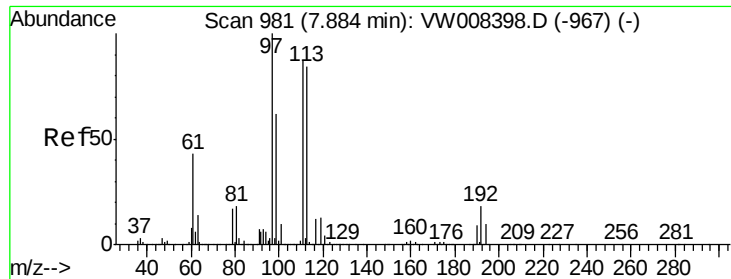
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.6

88 15.7 0.0 31.8





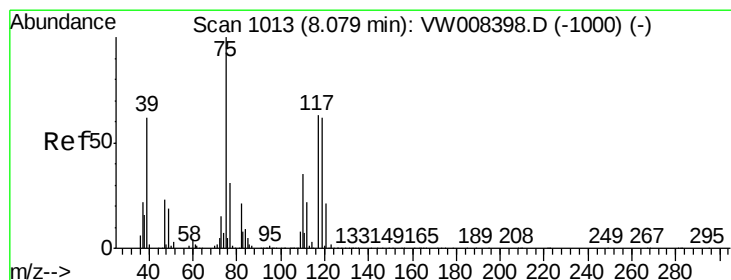
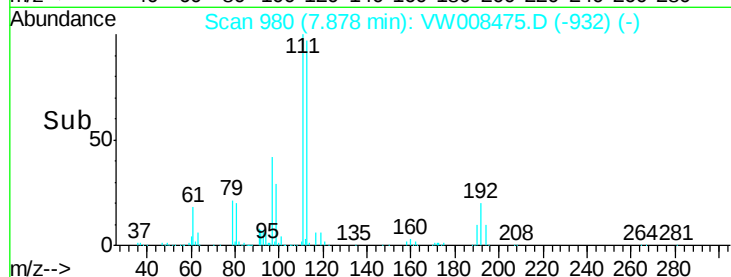
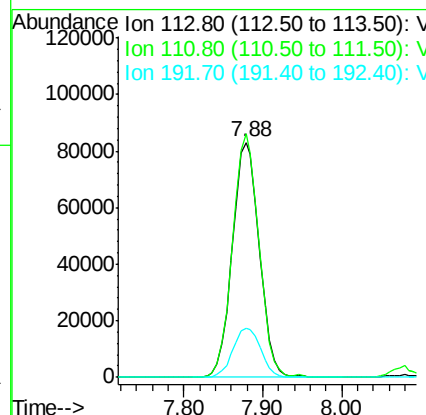
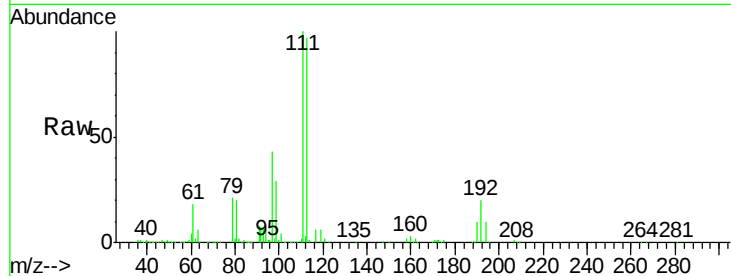
#35
Dibromofluoromethane
Concen: 54.260 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	197719		
111	101.0	81.0	121.4	
192	21.7	16.8	25.2	

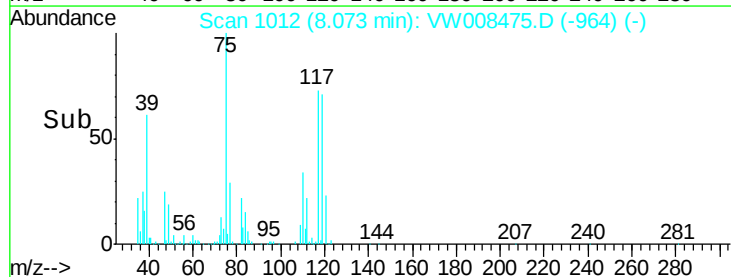
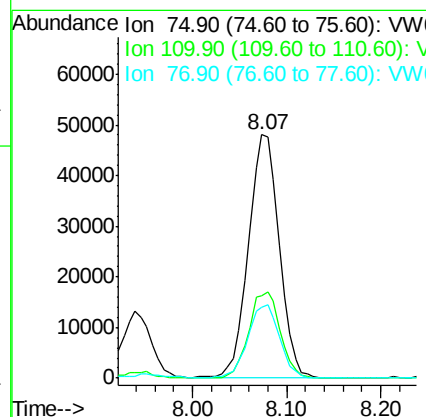
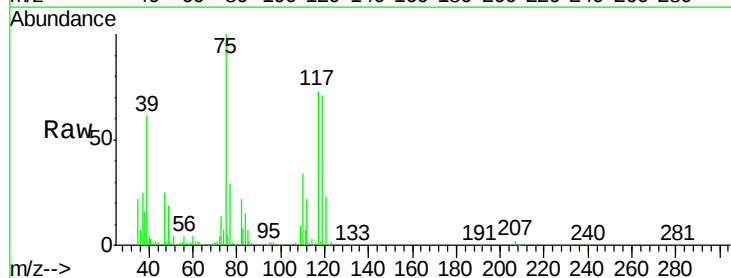
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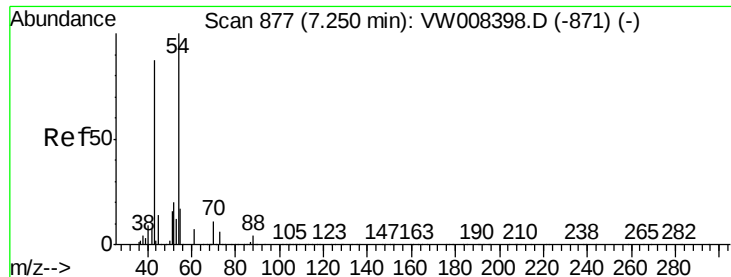
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2/4/2019 4:32:18 PM



#36
1,1-Dichloropropene
Concen: 18.669 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109896		
110	35.9	17.3	52.0	
77	31.1	24.7	37.1	





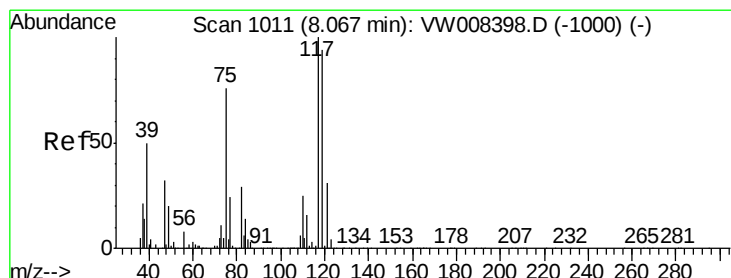
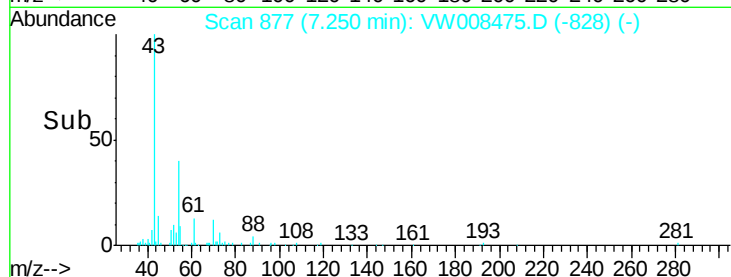
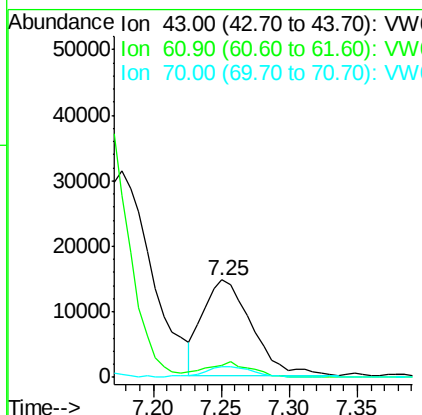
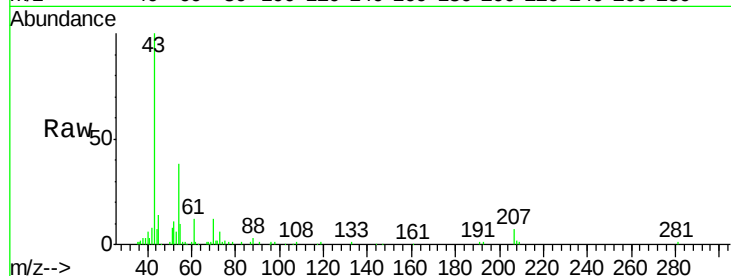
#37
Ethyl Acetate
Concen: 13.898 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.1	15.1
70	11.8	7.8	11.6

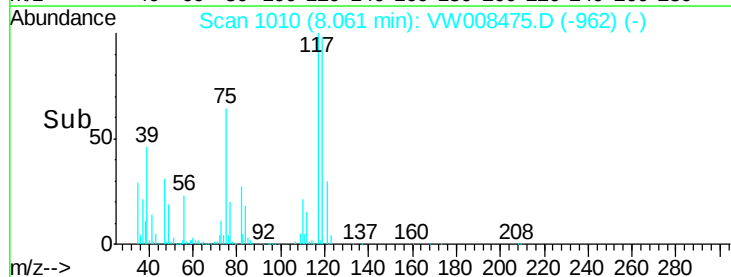
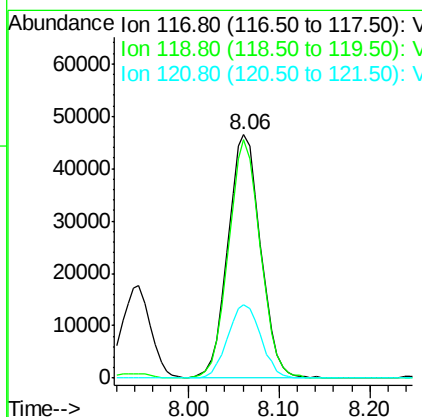
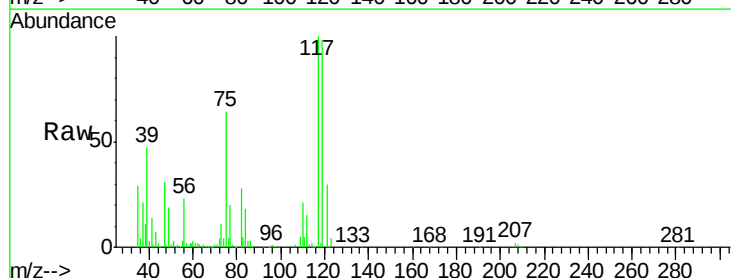
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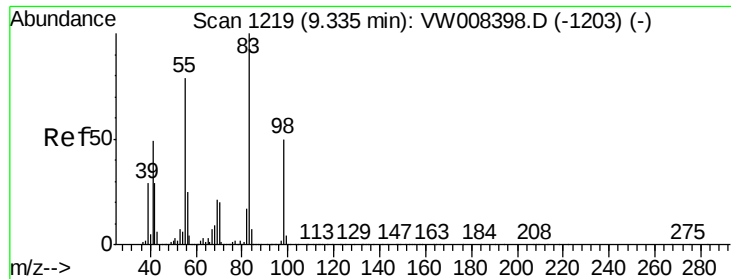
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#38
Carbon Tetrachloride
Concen: 19.627 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	75.0	112.4
121	30.0	24.9	37.3





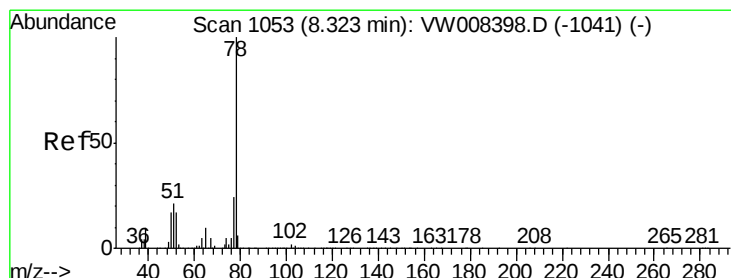
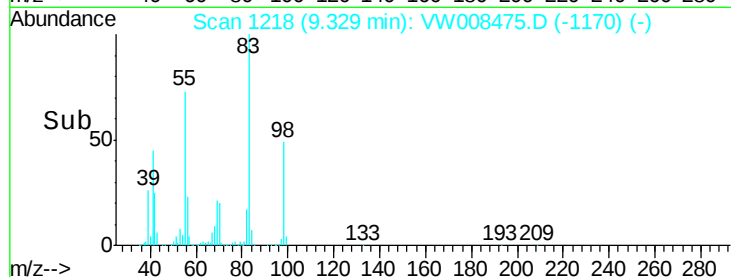
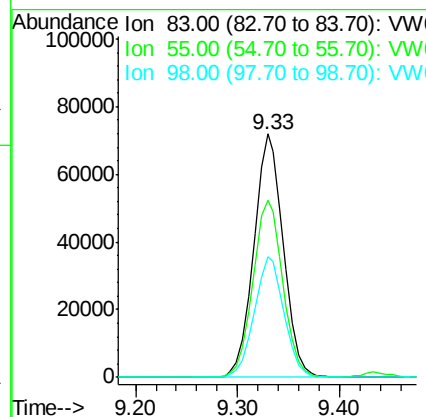
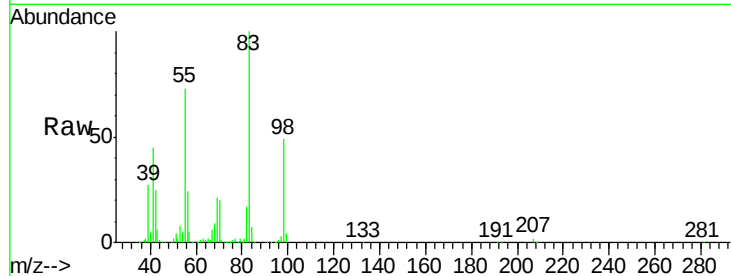
#39
Methvlcvclohexane
Concen: 18.681 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	144463		
55	72.6	63.3	94.9	
98	49.3	39.7	59.5	

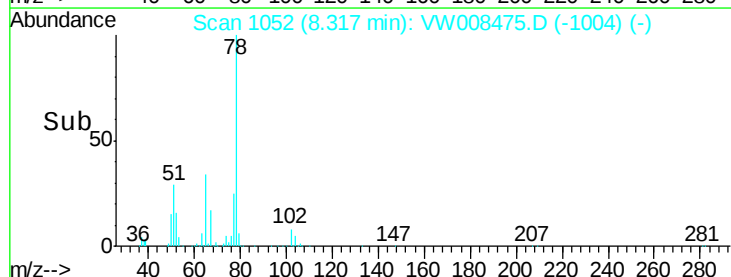
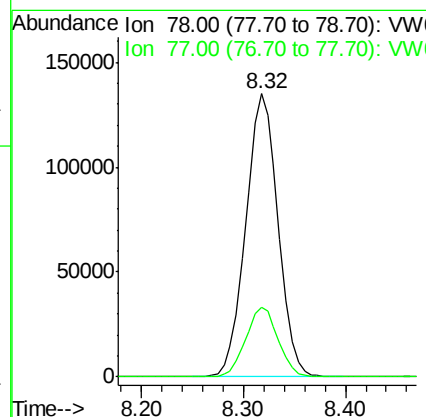
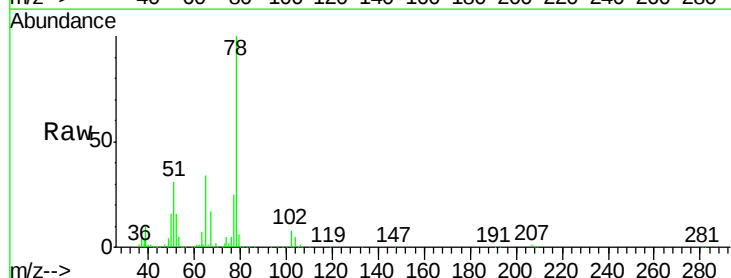
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#40
Benzene
Concen: 18.109 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	295796		
77	24.8	19.0	28.6	





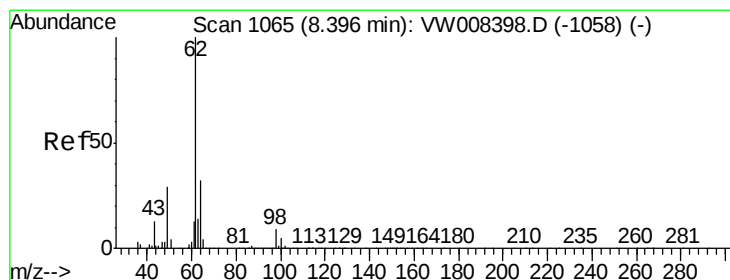
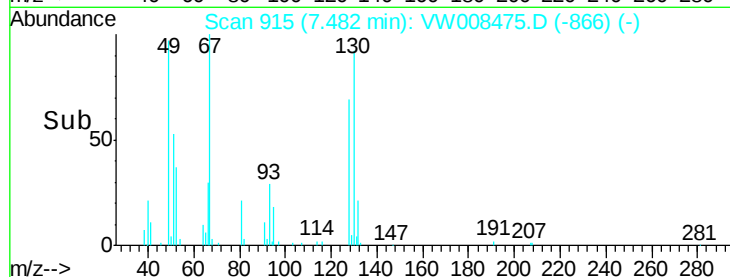
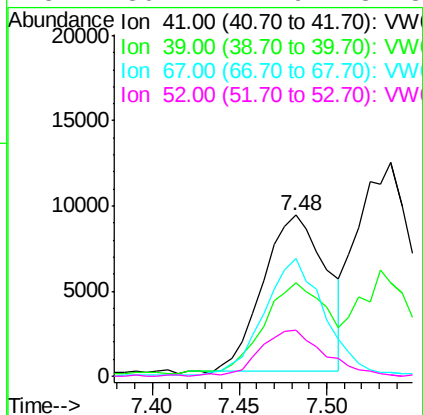
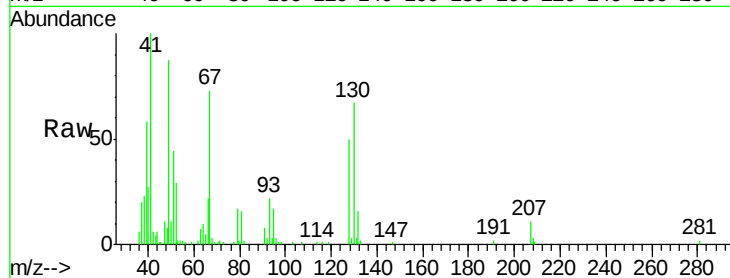
#41
Methacrylonitrile
Concen: 15.033 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.7	43.4	65.0
67	71.4	54.2	81.2
52	30.1	22.9	34.3

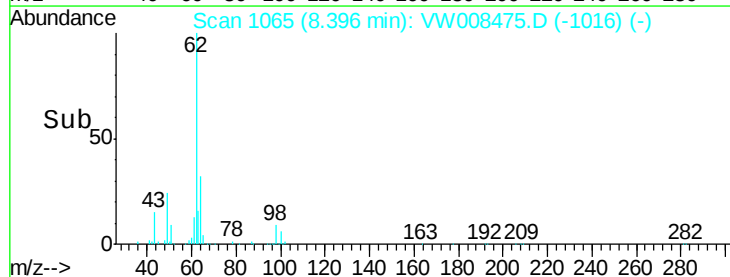
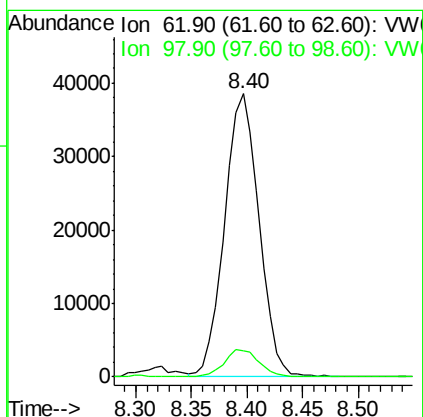
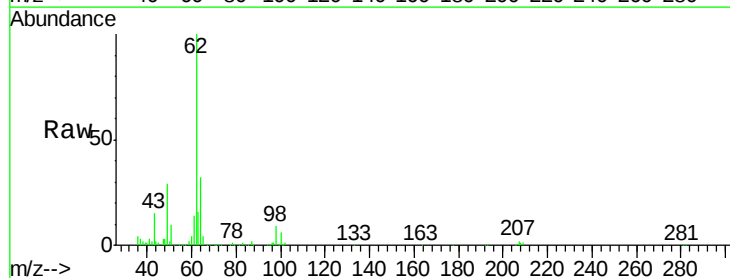
Manual Integrations
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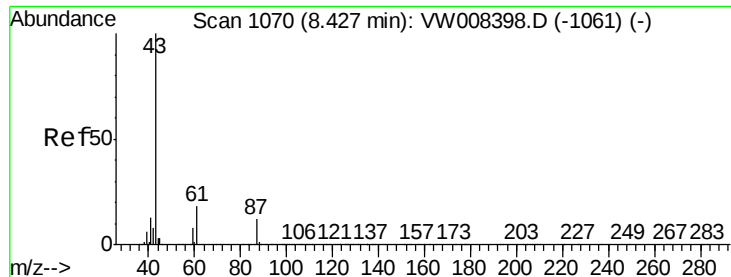
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2/4/2019 4:32:18 PM



#42
1,2-Dichloroethane
Concen: 17.482 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 14.751 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

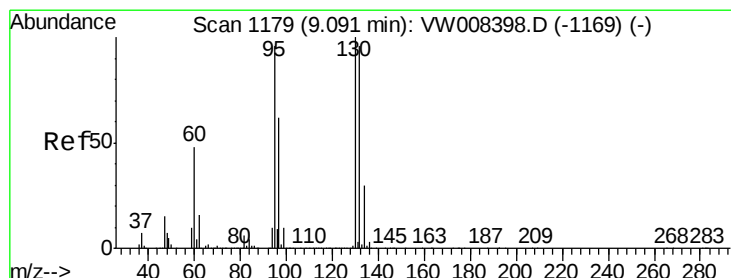
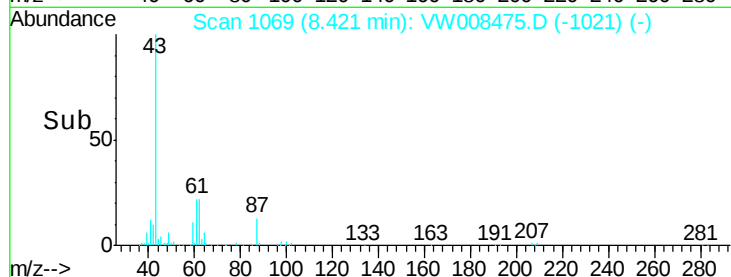
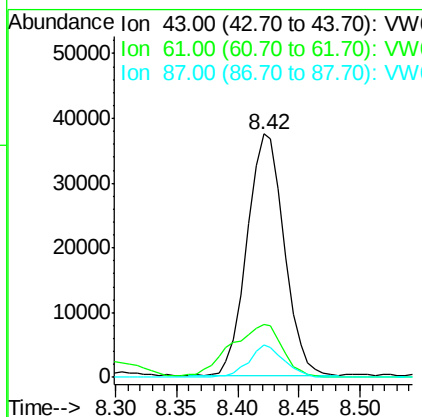
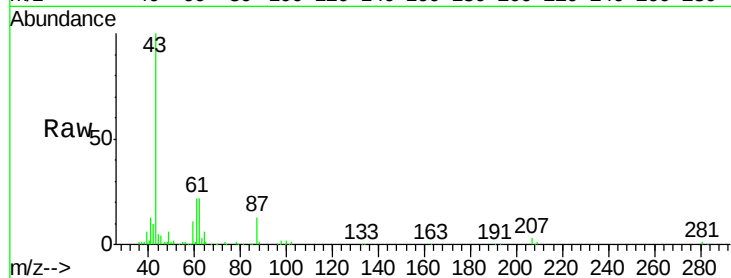
ClientSampleId :

VW0201SBS01

Tot Ion:	43	Resp:	79811
Ion Ratio	Lower	Upper	
43	100		
61	29.7	22.0	33.0
87	12.7	9.3	13.9

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#44

Trichloroethene

Concen: 19.122 ug/l

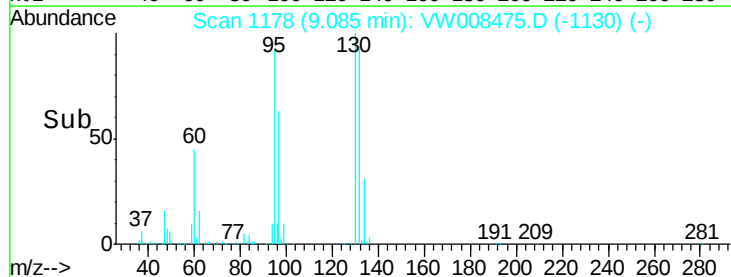
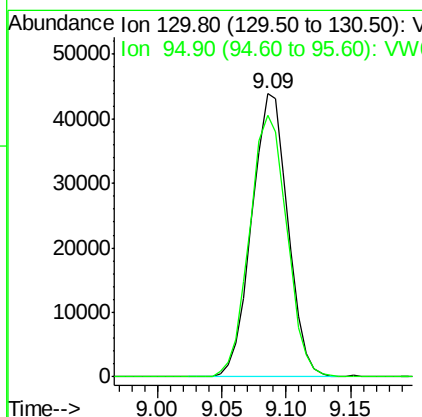
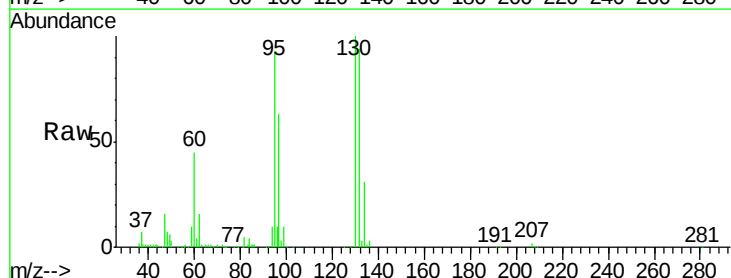
RT: 9.09 min Scan# 1178

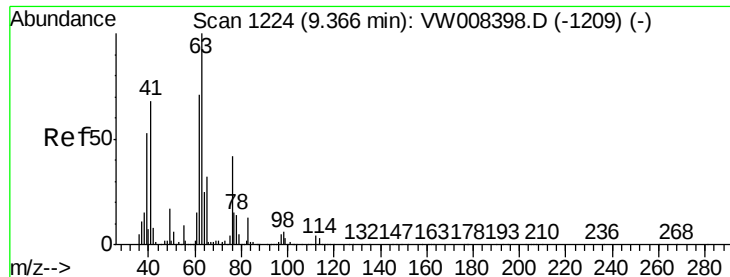
Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion:	130	Resp:	84939
Ion Ratio	Lower	Upper	
130	100		
95	92.7	0.0	191.6





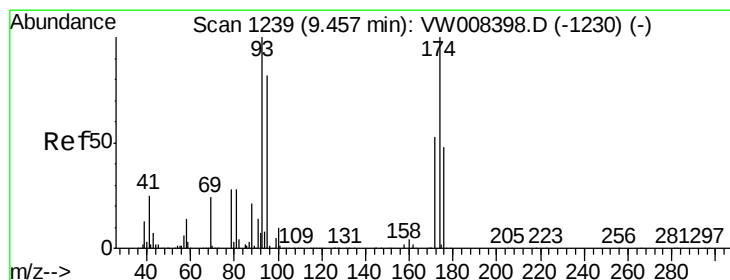
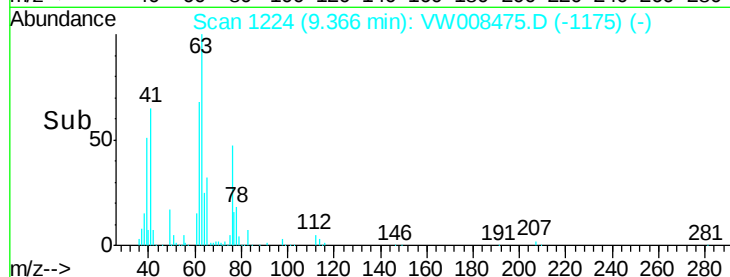
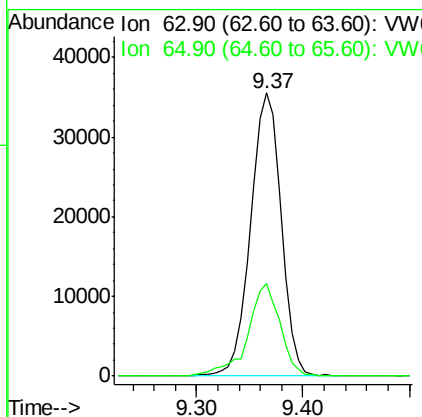
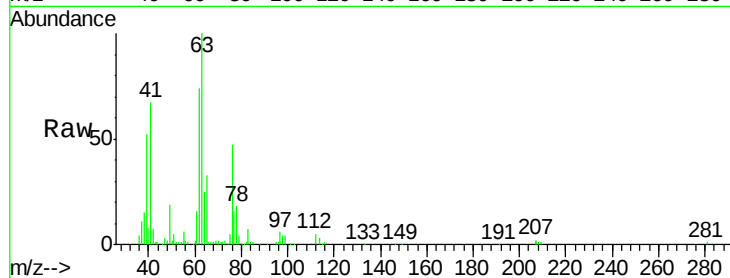
#45
 1,2-Dichloropropane
 Concen: 17.613 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.2	37.8

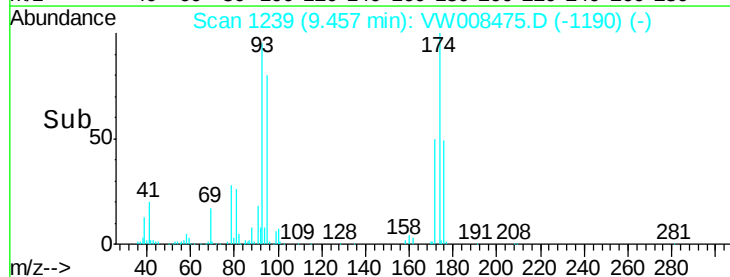
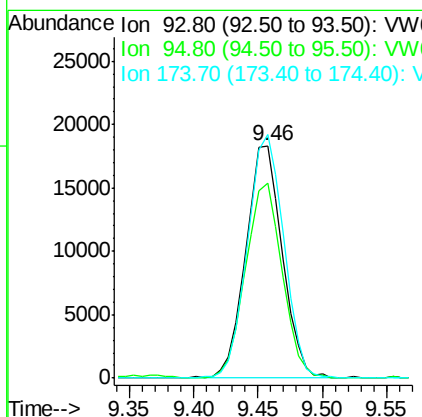
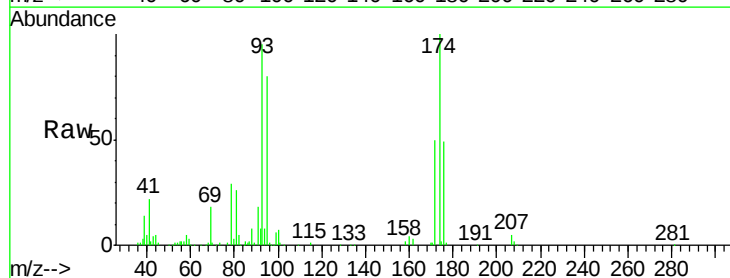
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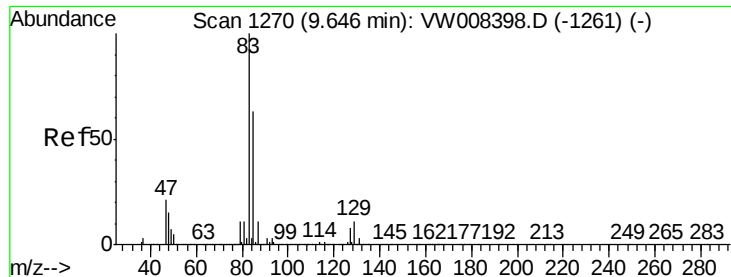
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#46
 Dibromomethane
 Concen: 17.107 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.9	98.9
174	104.4	81.0	121.6





#47

Bromodichloromethane

Concen: 17.454 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

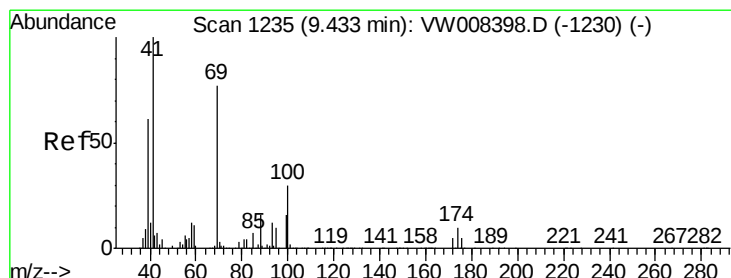
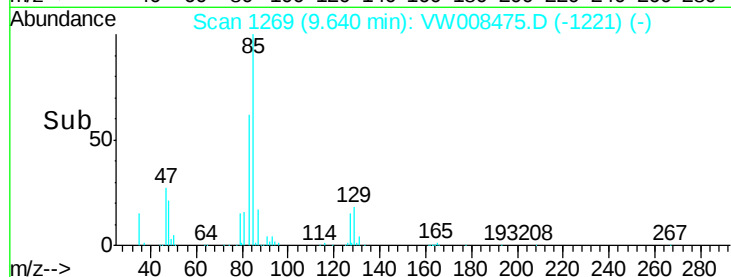
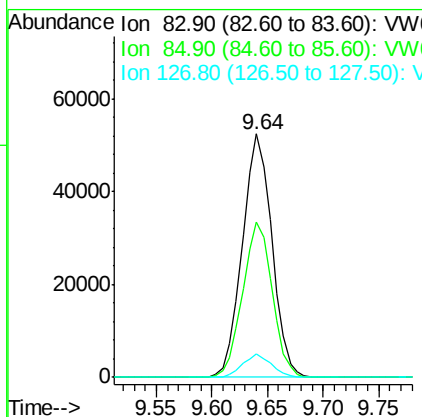
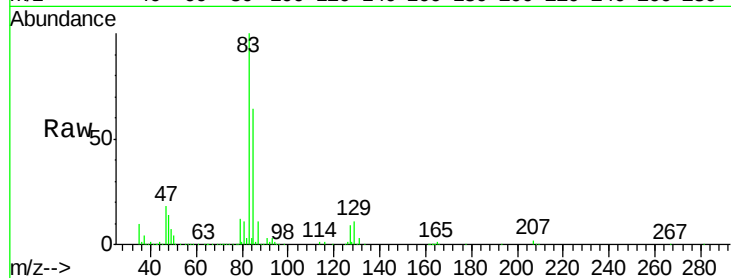
ClientSampleId :

VW0201SBS01

Tot Ion:	83	Resp:	96707
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.8	76.2
127	9.4	6.8	10.2

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#48

Methyl methacrylate

Concen: 14.160 ug/l

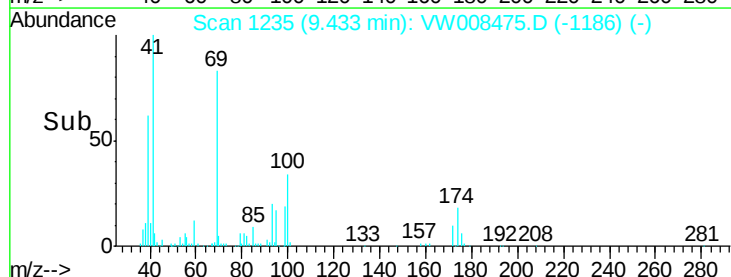
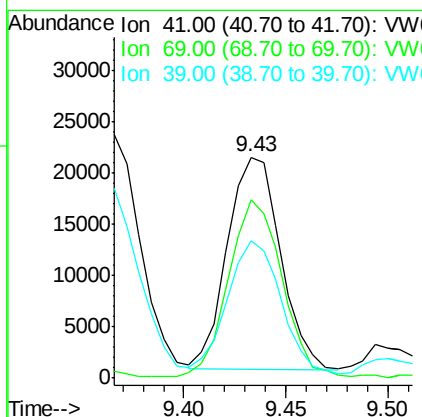
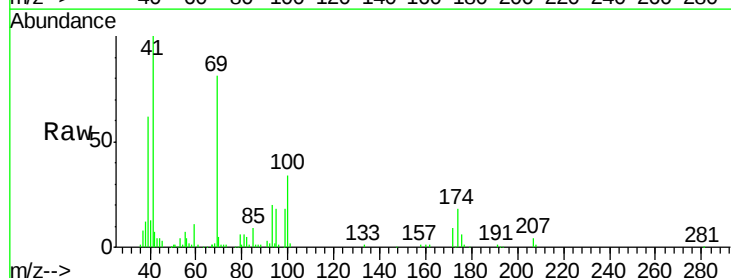
RT: 9.43 min Scan# 1235

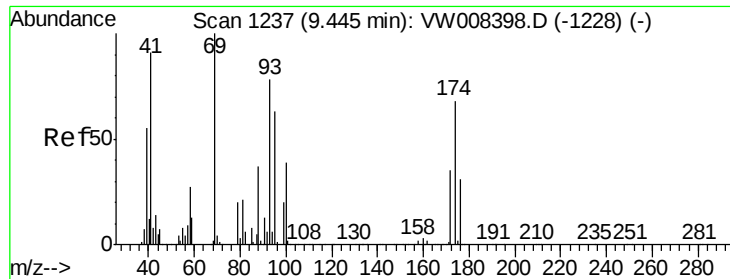
Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion:	41	Resp:	37462
Ion Ratio	Lower	Upper	
41	100		
69	85.4	64.8	97.2
39	63.0	49.1	73.7





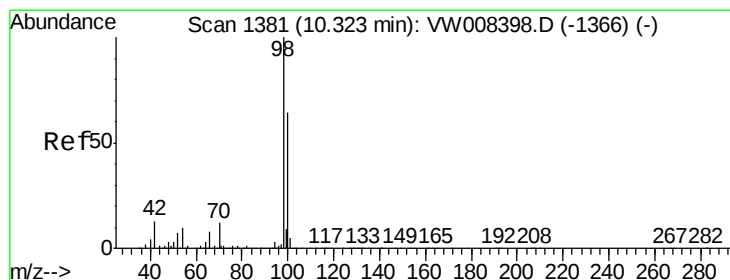
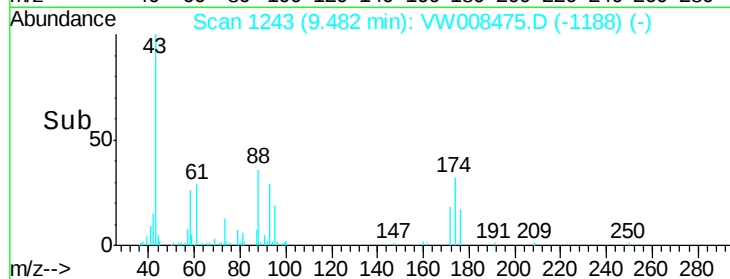
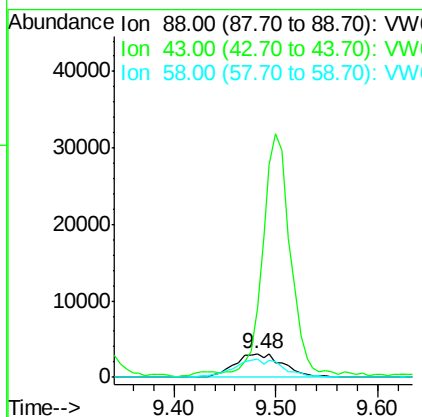
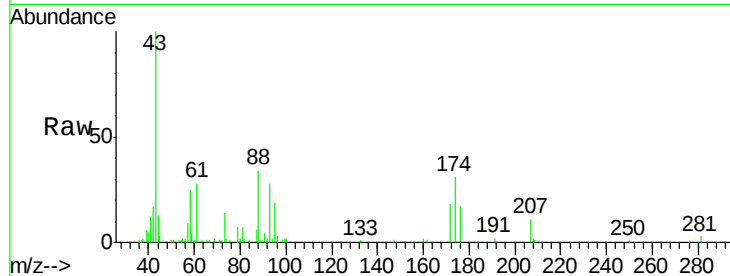
#49
1,4-Dioxane
Concen: 288.968 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.04 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	567.8	29.0	43.4#
58	49.2	56.4	84.6#

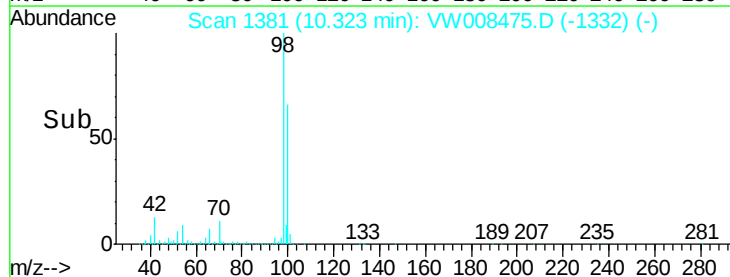
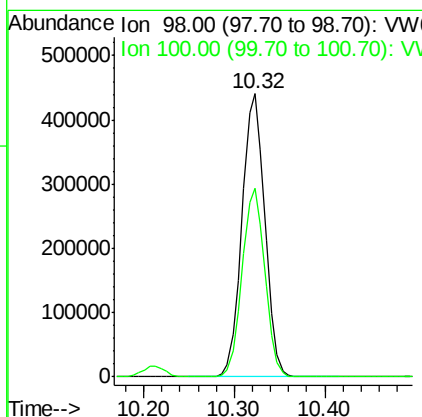
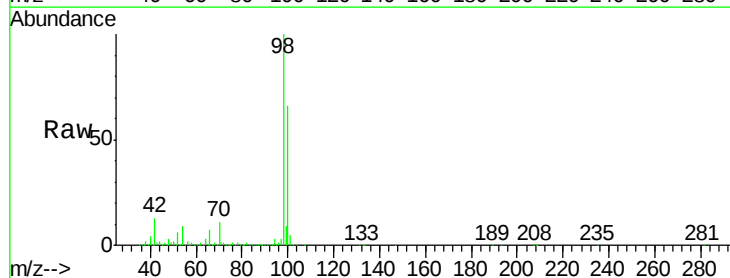
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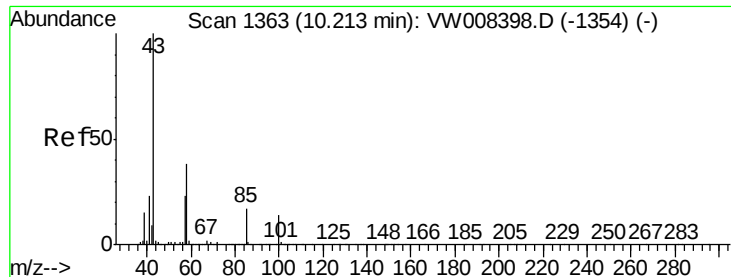
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2/4/2019 4:32:18 PM



#50
Toluene-d8
Concen: 52.539 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





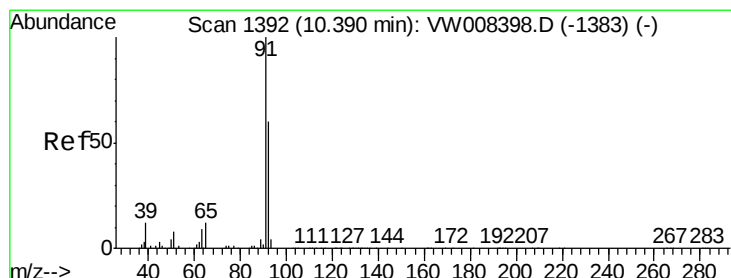
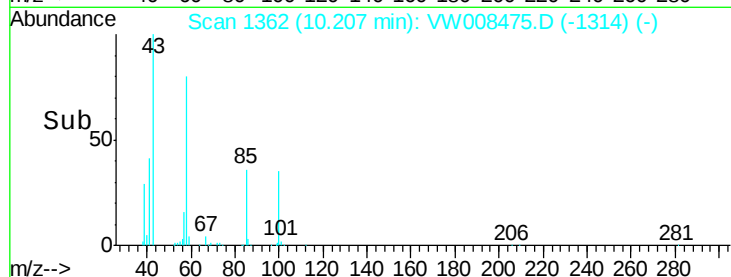
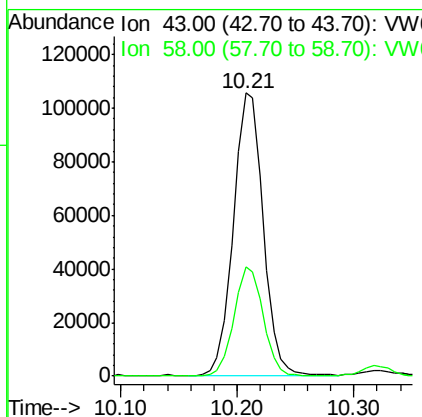
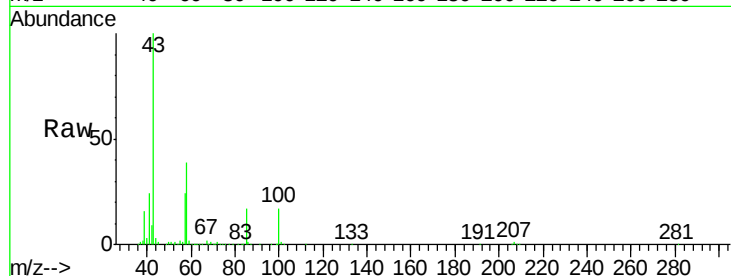
#51
4-Methyl-2-Pentanone
Concen: 70.020 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	29.7	44.5

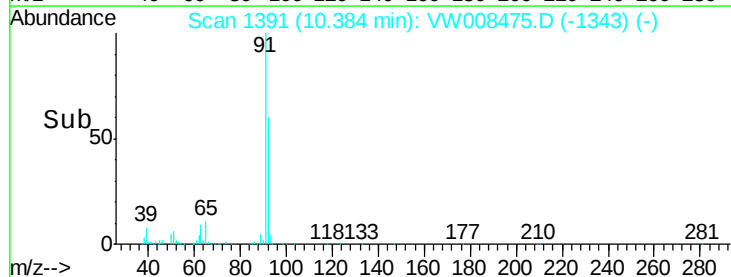
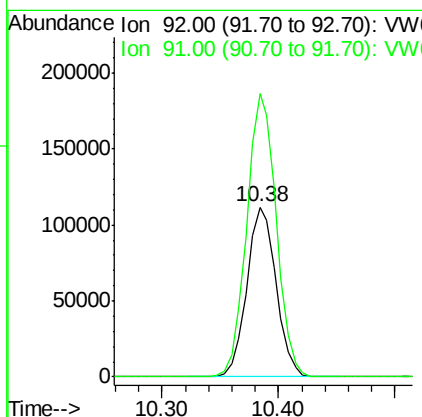
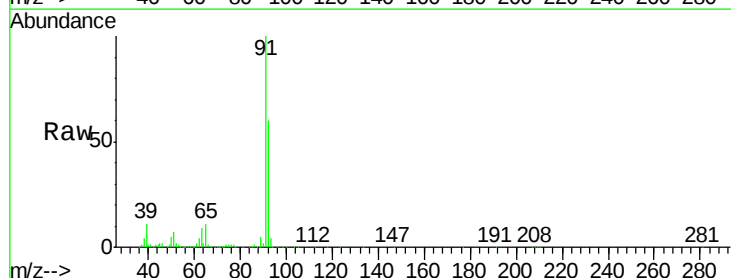
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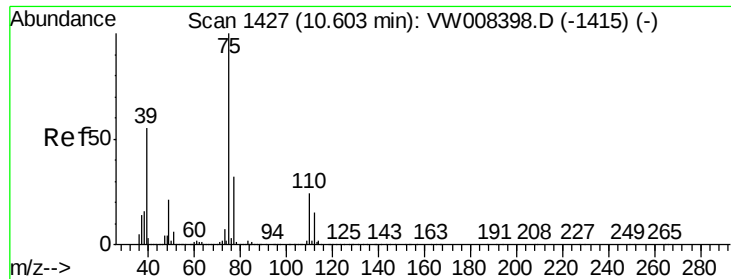
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#52
Toluene
Concen: 18.090 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.8	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 16.855 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 75 Resp: 99377

Ion Ratio Lower Upper

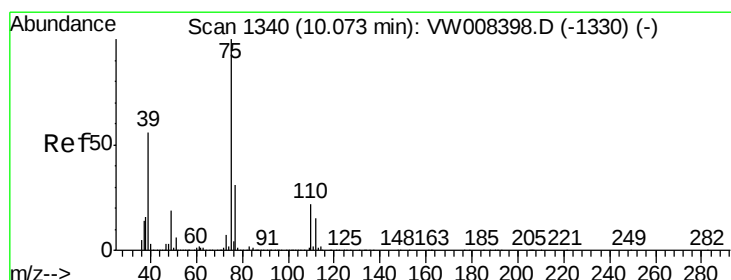
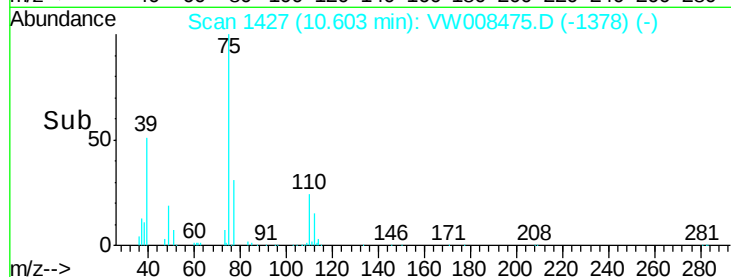
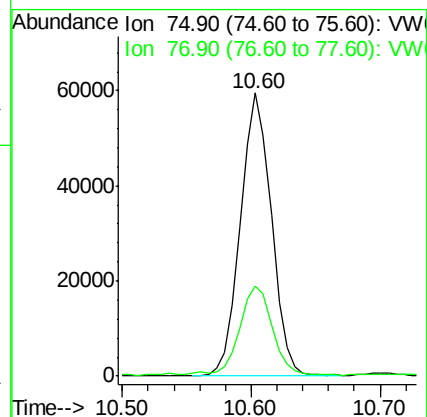
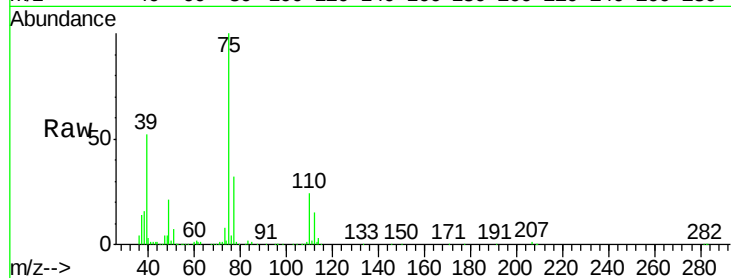
75 100

77 31.6 25.3 37.9

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2/4/2019 4:32:18 PM



#54

cis-1,3-Dichloropropene

Concen: 17.289 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

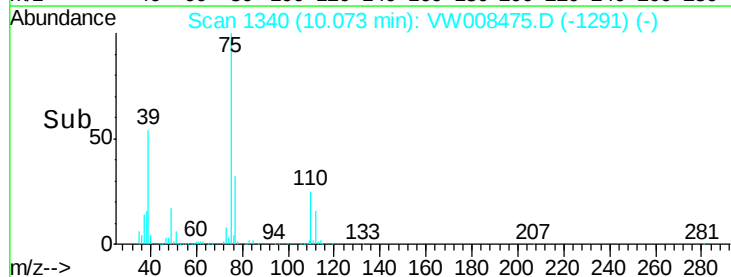
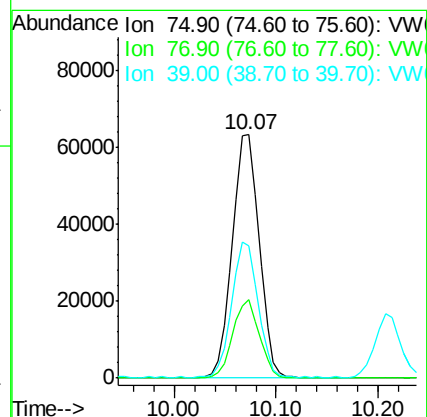
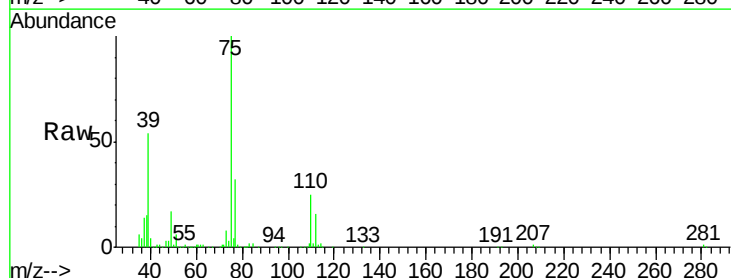
Tgt Ion: 75 Resp: 115679

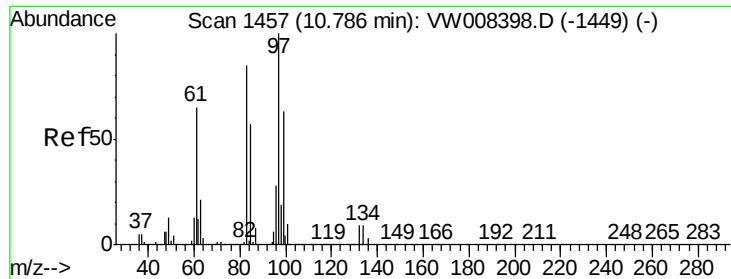
Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

39 53.9 44.9 67.3





#55

1,1,2-Trichloroethane

Concen: 17.163 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

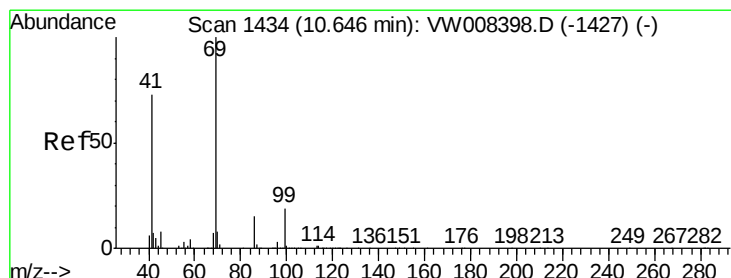
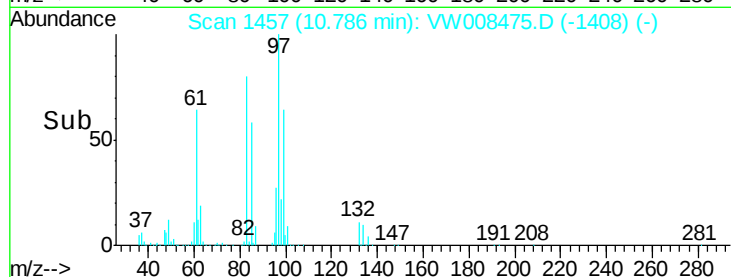
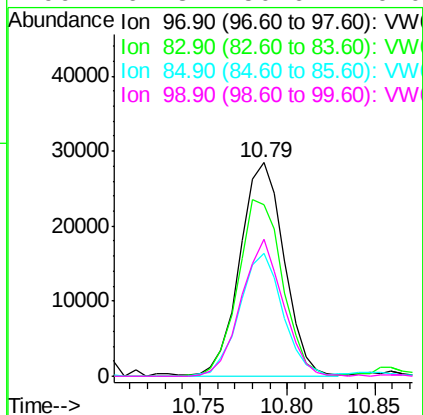
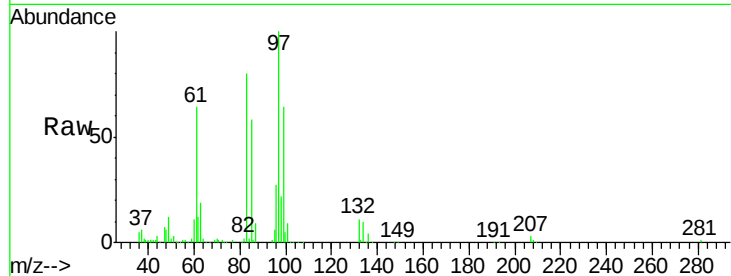
ClientSampleId :

VW0201SBS01

Tot Ion:	97	Resp:	49870
Ion	Ratio	Lower	Upper
97	100		
83	80.1	68.4	102.6
85	57.5	45.3	67.9
99	64.3	50.6	76.0

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#56

Ethyl methacrylate

Concen: 15.081 ug/l

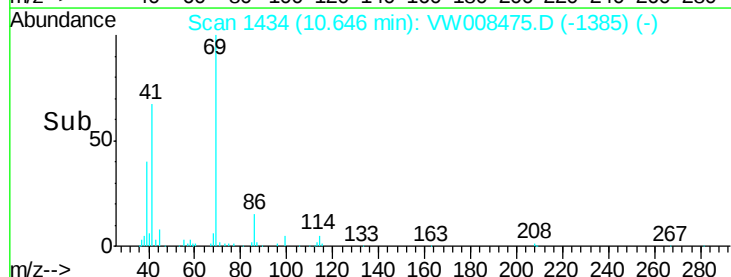
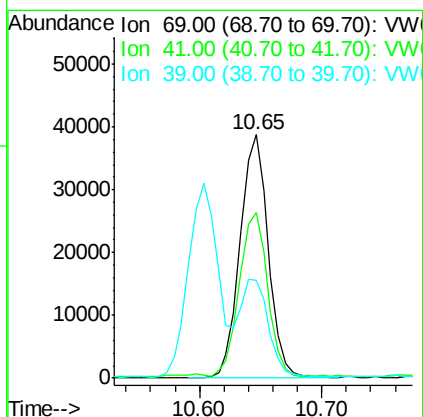
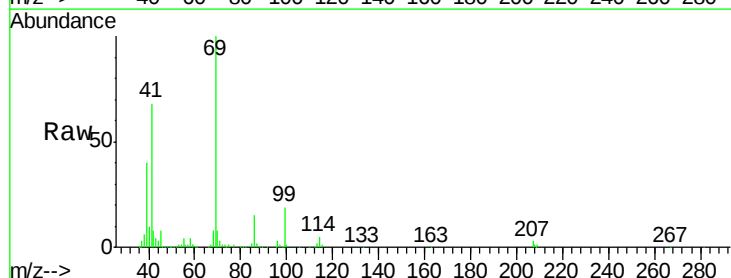
RT: 10.65 min Scan# 1434

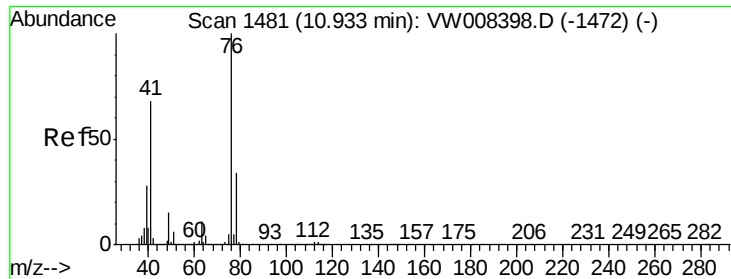
Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion:	69	Resp:	61401
Ion	Ratio	Lower	Upper
69	100		
41	69.1	58.7	88.1
39	39.4	32.6	48.8





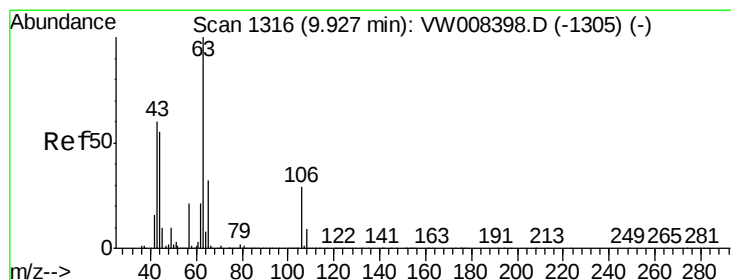
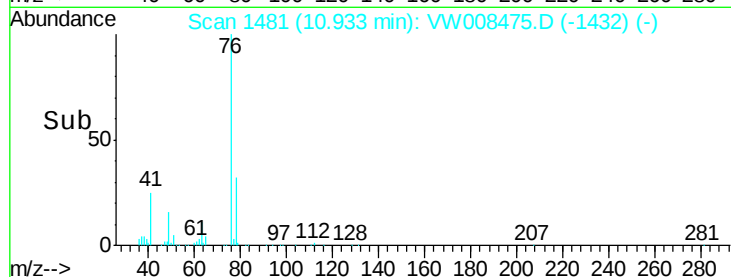
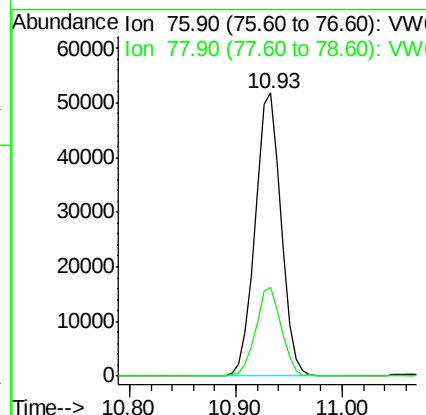
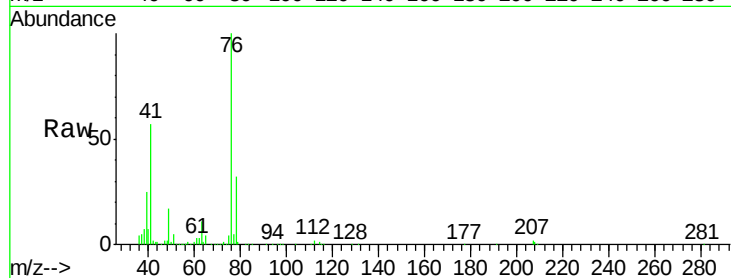
#57
 1,3-Dichloropropane
 Concen: 17.011 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.8

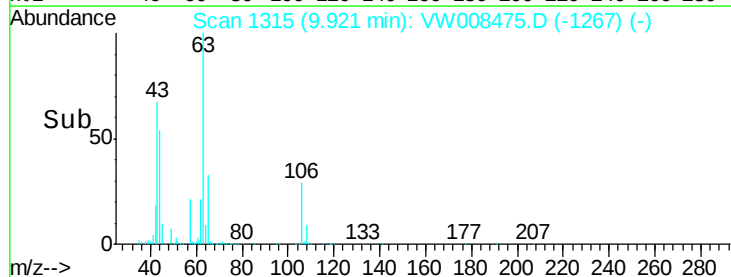
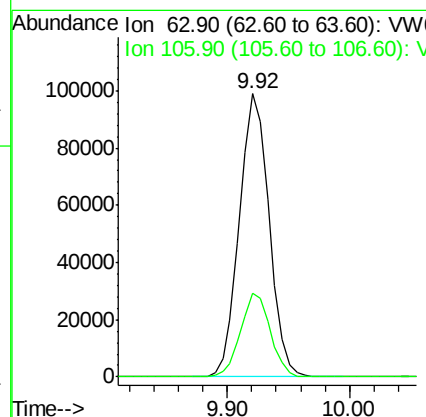
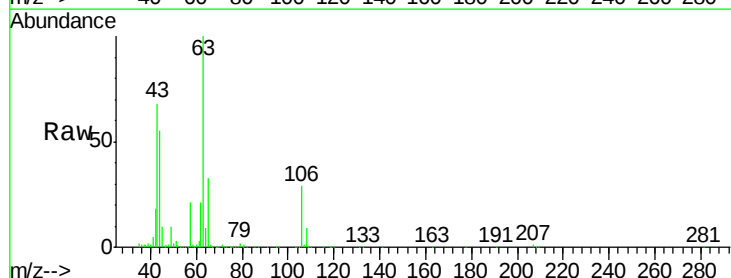
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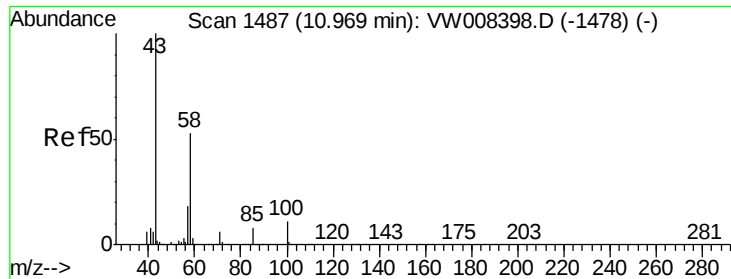
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#58
 2-Chloroethyl Vinyl ether
 Concen: 84.332 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	22.4	33.6





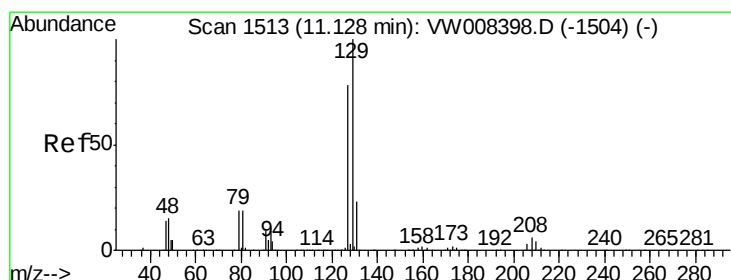
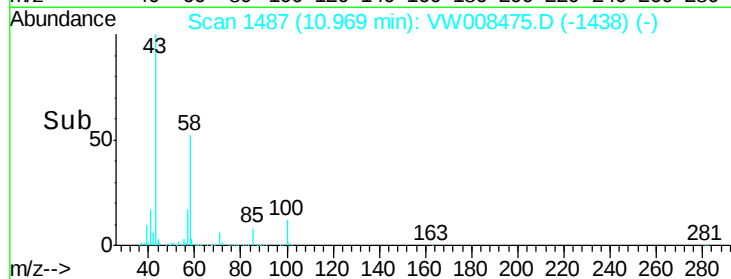
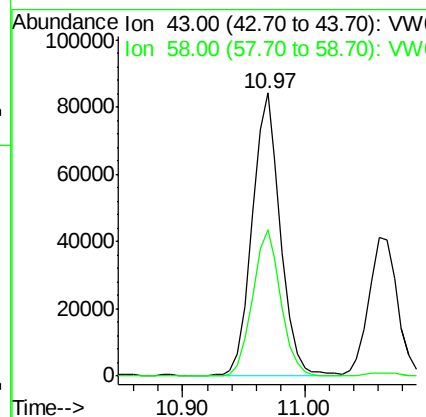
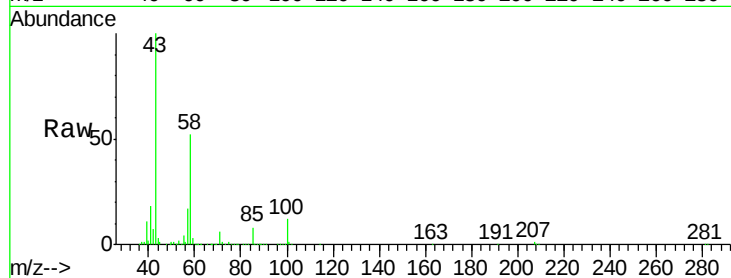
#59
2-Hexanone
Concen: 70.511 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion: 43 Resp: 133059
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7

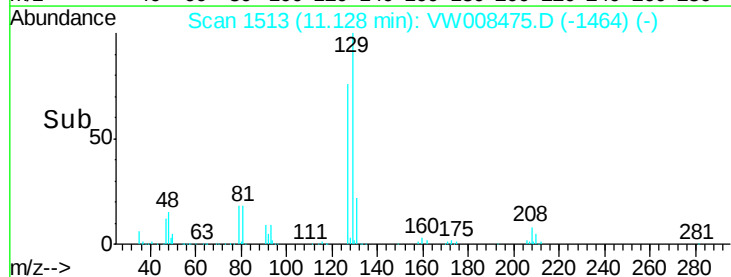
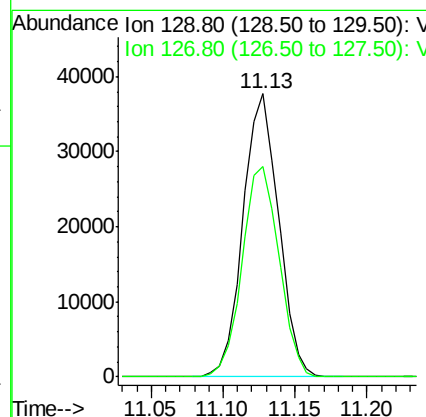
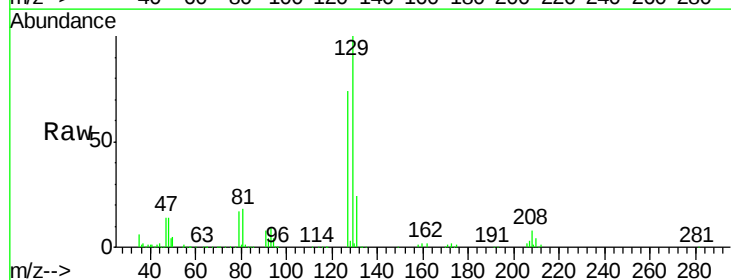
Manual Integrations
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#60
Dibromochloromethane
Concen: 17.283 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion: 129 Resp: 64533
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 16.597 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 107 Resp: 47816

Ion Ratio Lower Upper

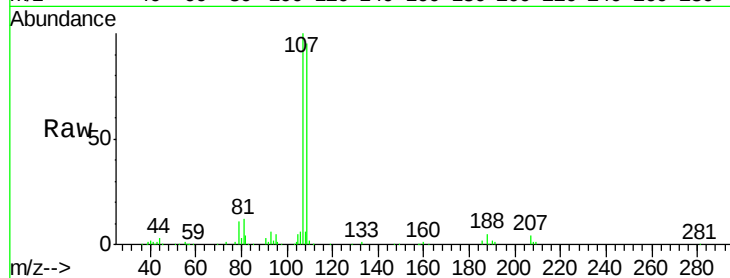
107 100

109 95.0 75.0 112.4

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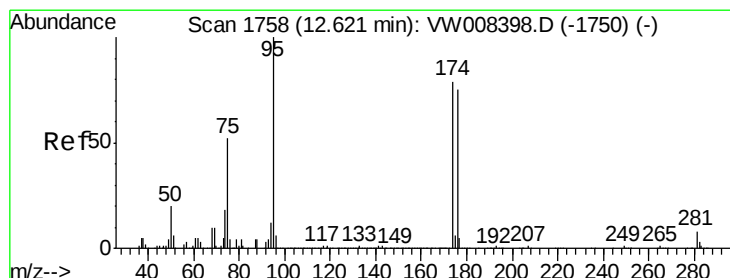
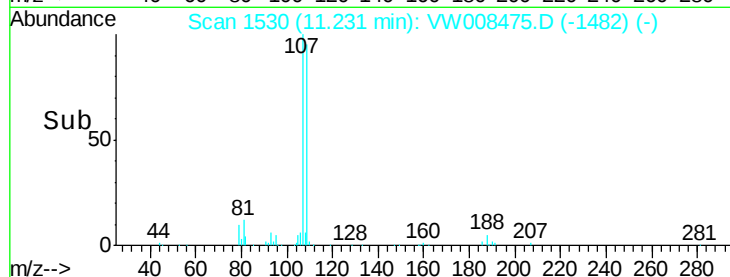
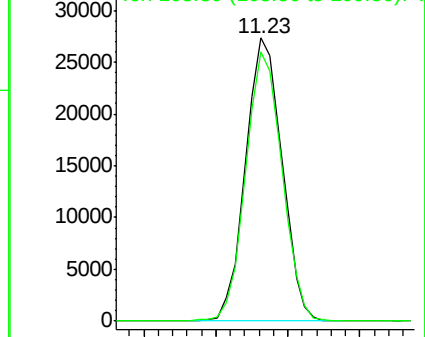
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2/4/2019 4:32:18 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.498 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

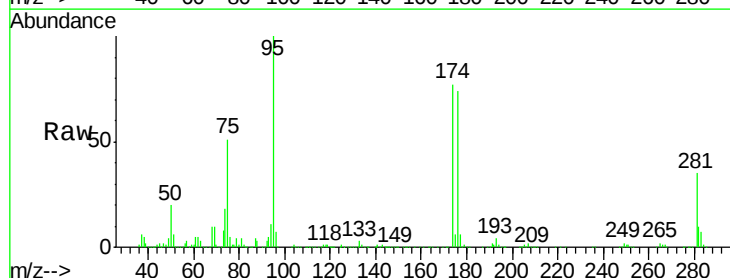
Tgt Ion: 95 Resp: 272399

Ion Ratio Lower Upper

95 100

174 84.2 0.0 157.6

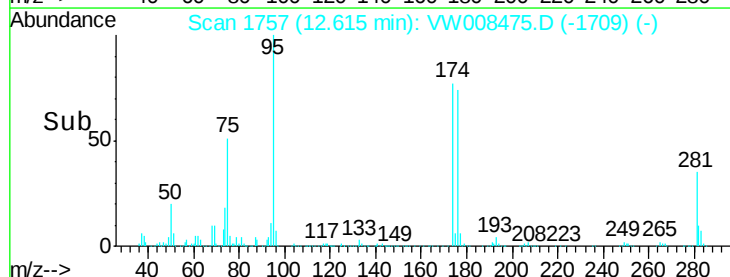
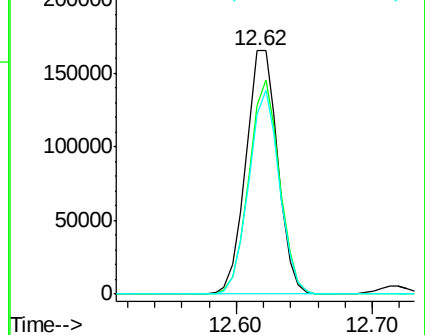
176 80.6 0.0 151.8

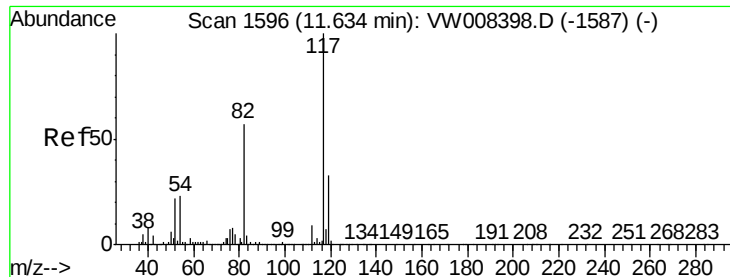


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





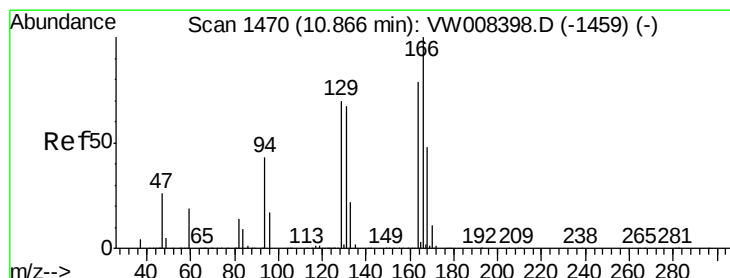
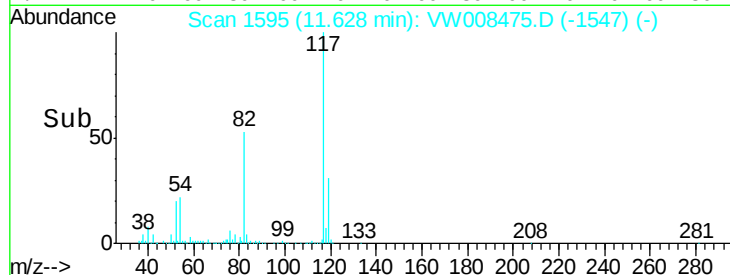
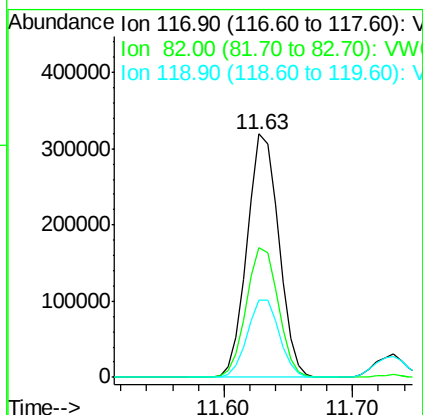
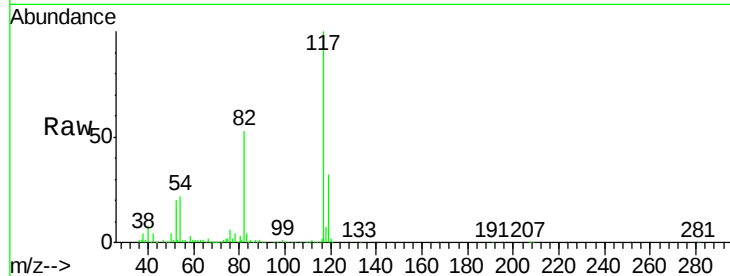
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	53.4	45.4	68.0
119	31.5	26.2	39.4

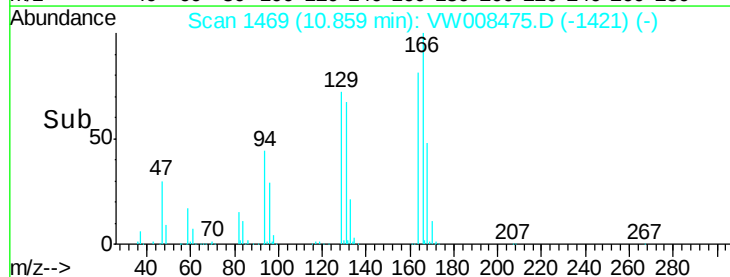
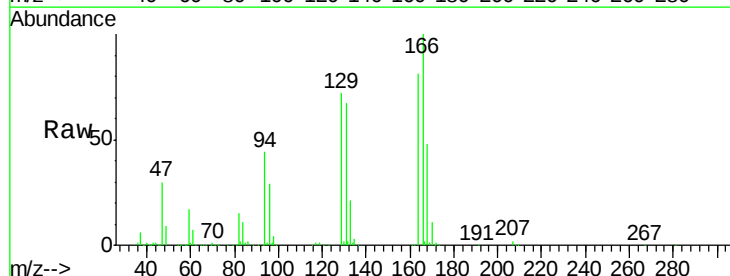
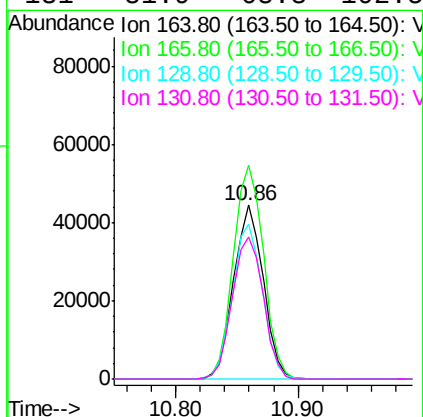
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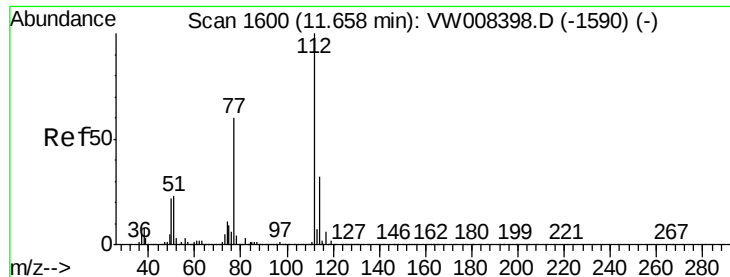
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#64
Tetrachloroethene
Concen: 20.242 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	122.9	101.4	152.0
129	88.9	71.0	106.6
131	81.9	68.3	102.5





#65

Chlorobenzene

Concen: 19.140 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion:112 Resp: 211628

Ion Ratio Lower Upper

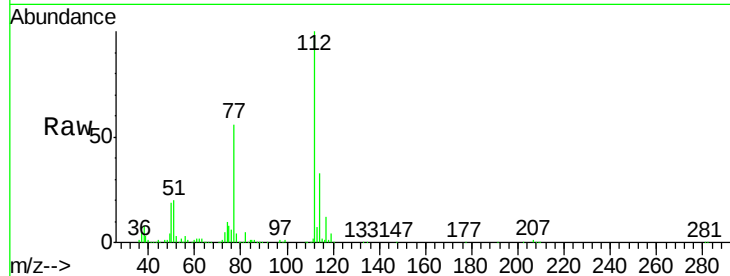
112 100

114 32.5 25.4 38.2

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

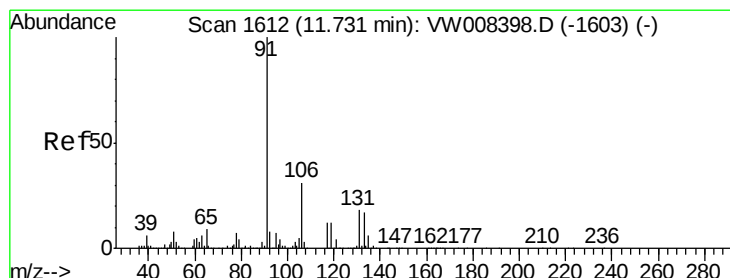
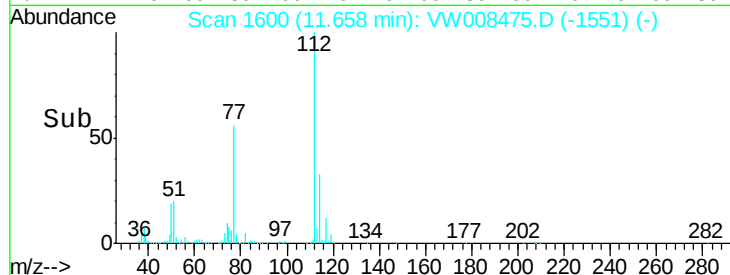
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.652 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

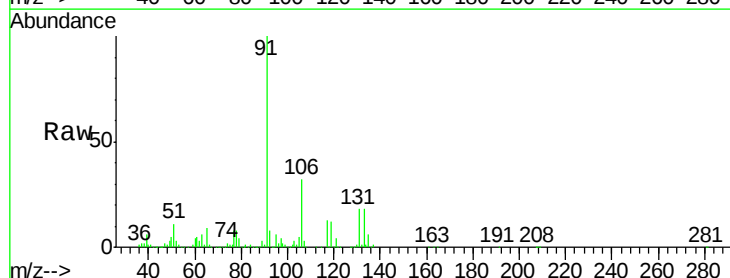
Tgt Ion:131 Resp: 73788

Ion Ratio Lower Upper

131 100

133 96.0 47.0 141.2

119 64.9 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

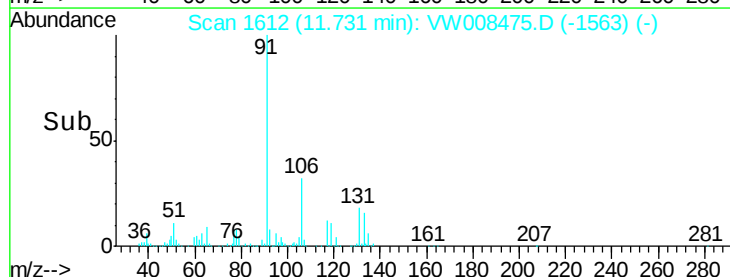
11.73

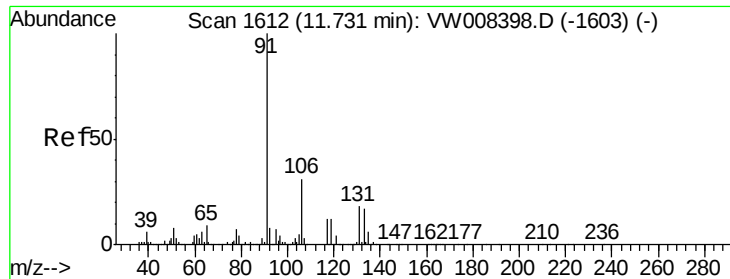
100000

50000

0

Time-->





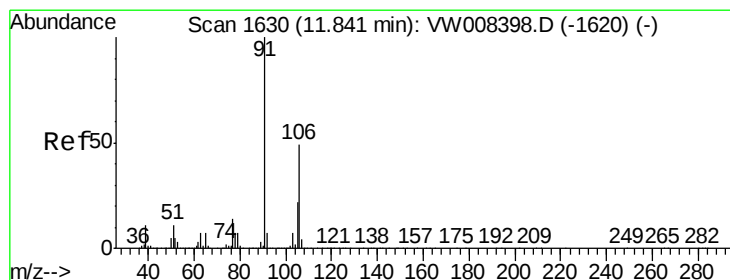
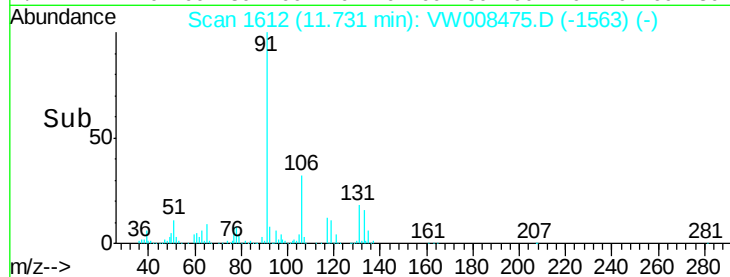
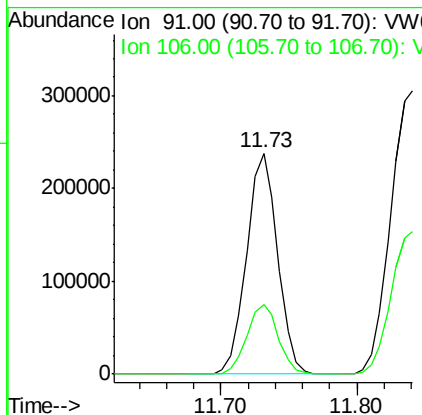
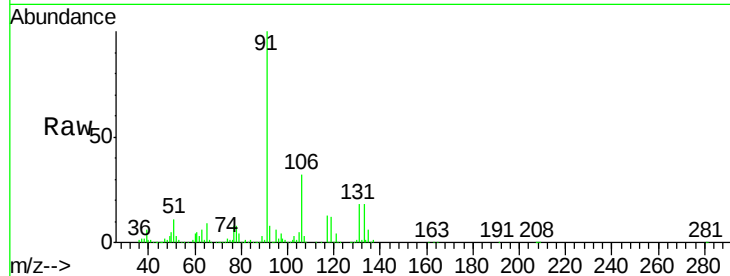
#67
Ethyl Benzene
Concen: 18.669 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion: 91 Resp: 379448
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1

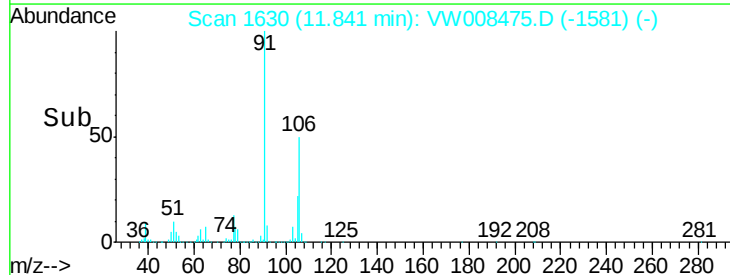
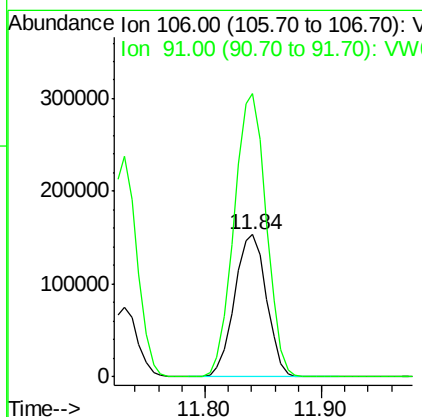
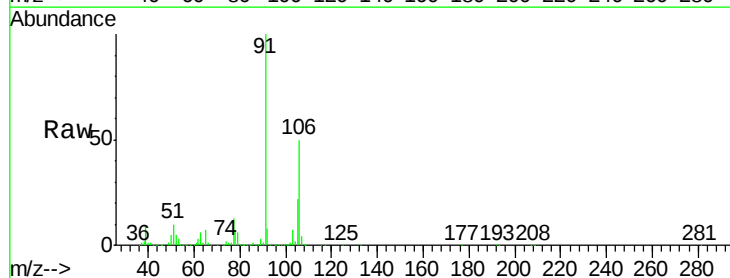
Manual Integrations
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#68
m/p-Xylenes
Concen: 37.295 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion: 106 Resp: 294103
Ion Ratio Lower Upper
106 100
91 199.7 162.9 244.3





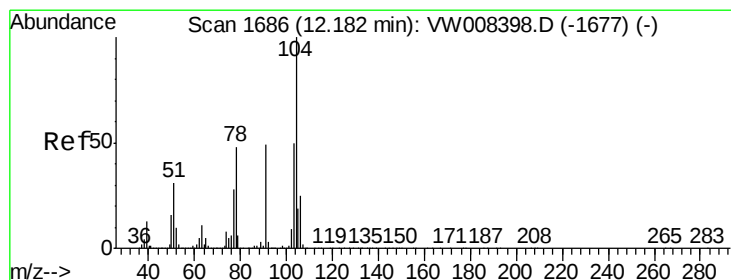
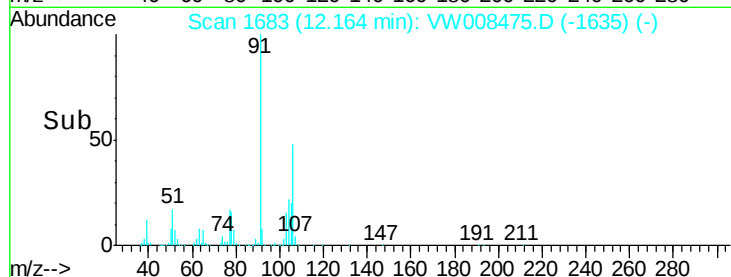
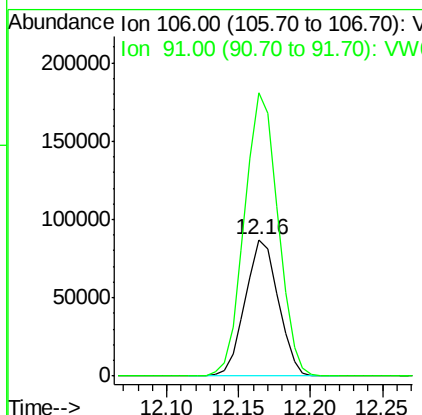
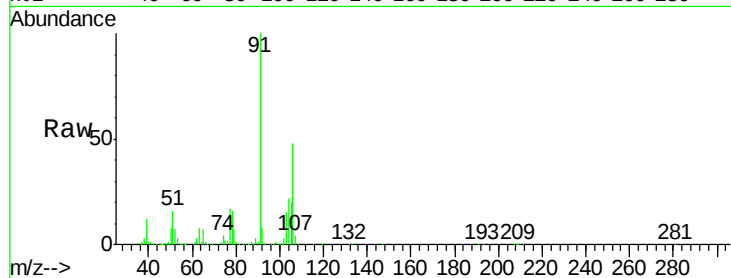
#69
o-Xylene
Concen: 18.485 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	107.5	322.4

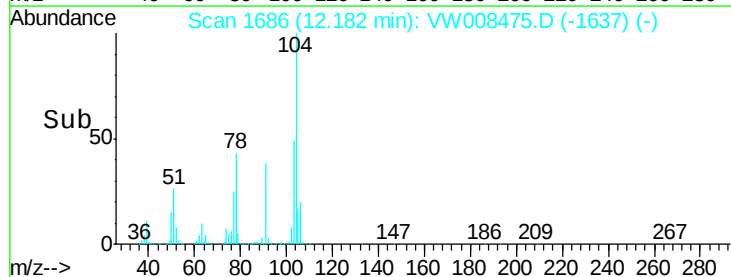
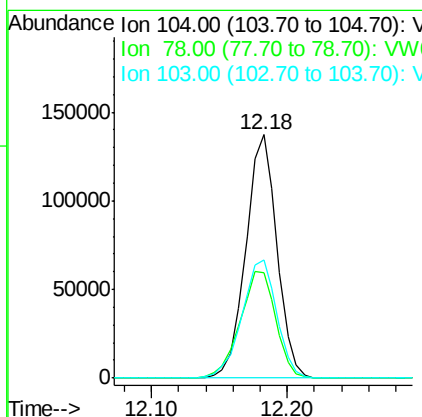
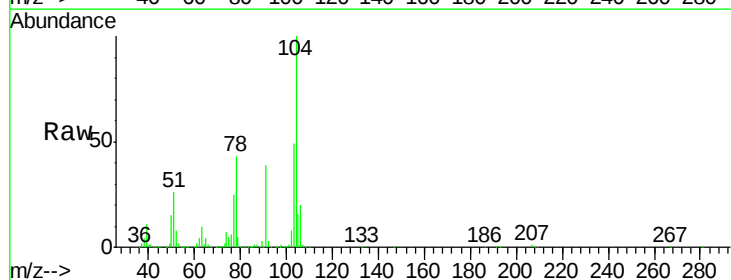
Manual Integrations
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2/4/2019 4:32:18 PM



#70
Styrene
Concen: 17.753 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	42.4	63.6
103	54.1	43.4	65.0





#71

Bromoform

Concen: 16.337 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

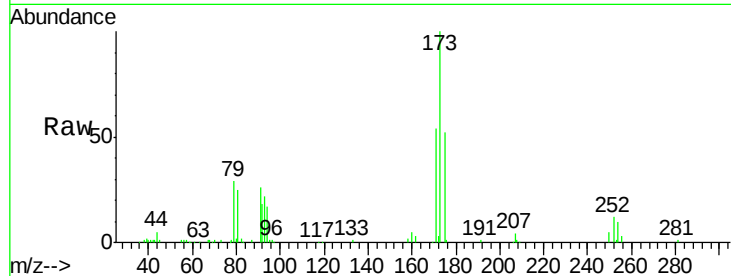
ClientSampleId :

VW0201SBS01

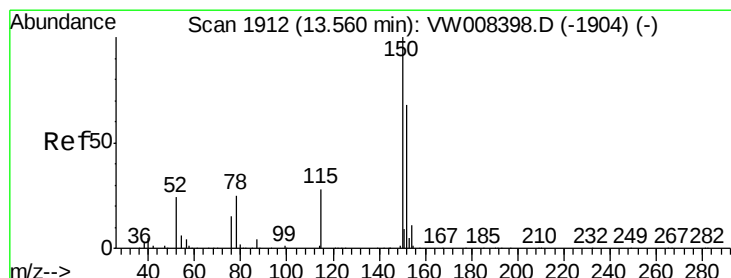
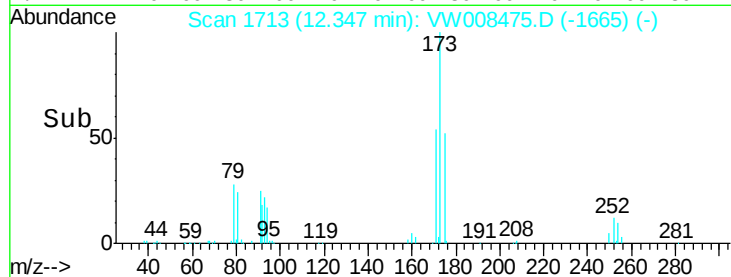
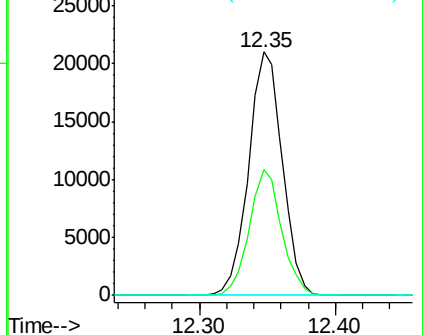
Tot Ion:	173	Resp:	36364
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.4	73.4
254	0.1	0.2	0.2#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

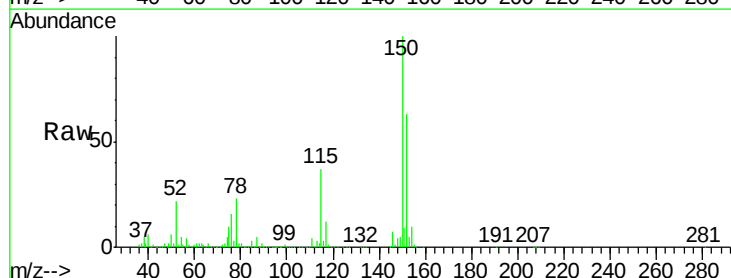
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

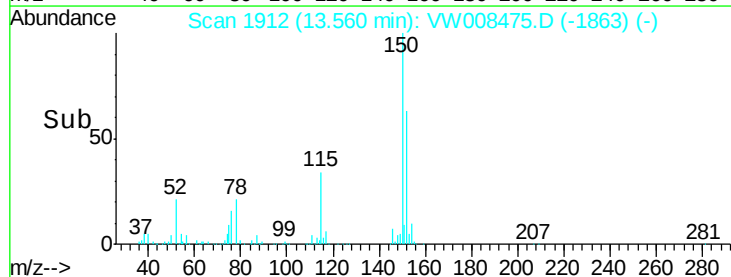
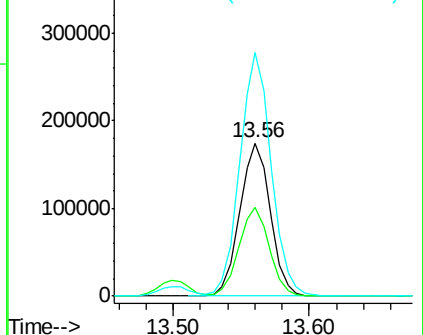
Lab File: VW008475.D

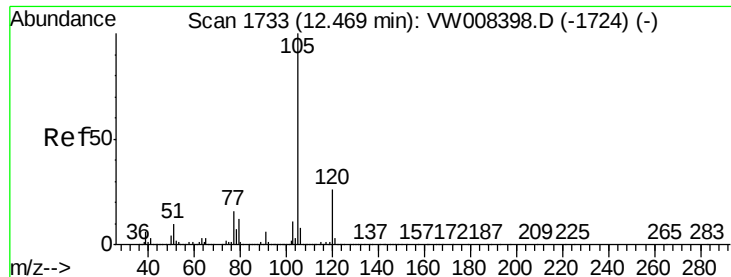
Acq: 01 Feb 2019 12:19

Tgt Ion:	152	Resp:	272944
Ion Ratio	Lower	Upper	
152	100		
115	57.6	29.9	89.7
150	163.8	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.103 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 105 Resp: 388708

Ion Ratio Lower Upper

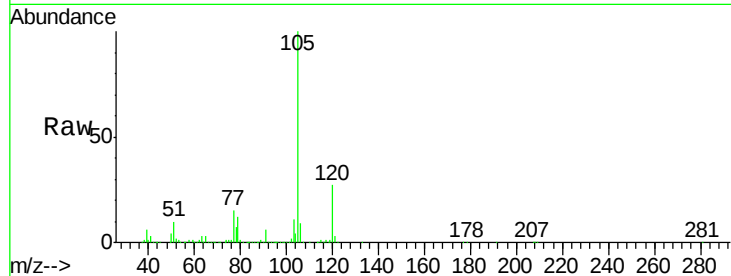
105 100

120 27.3 13.3 39.8

Manual Integrations
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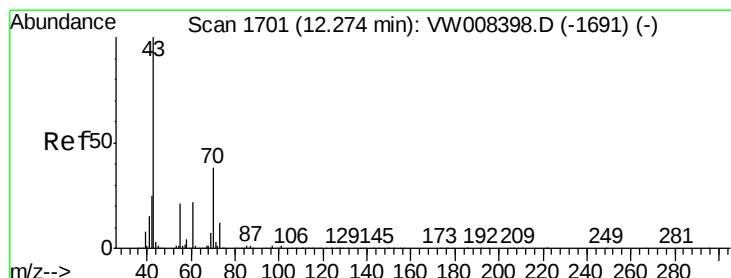
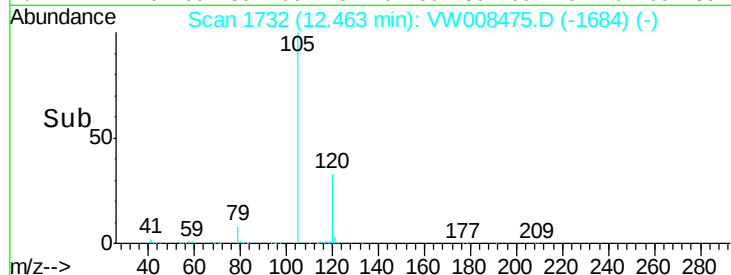
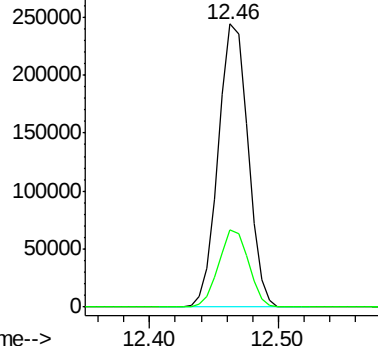
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.495 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion: 43 Resp: 75985

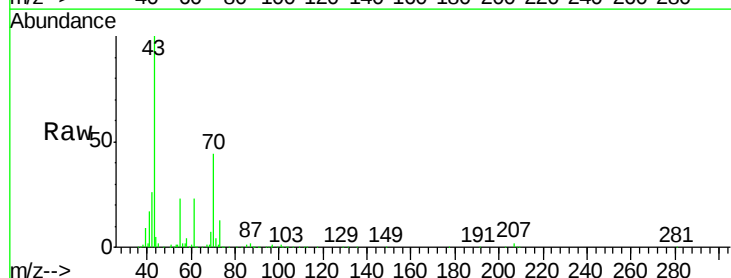
Ion Ratio Lower Upper

43 100

70 41.7 31.0 46.6

55 22.3 17.4 26.2

61 23.8 18.2 27.4

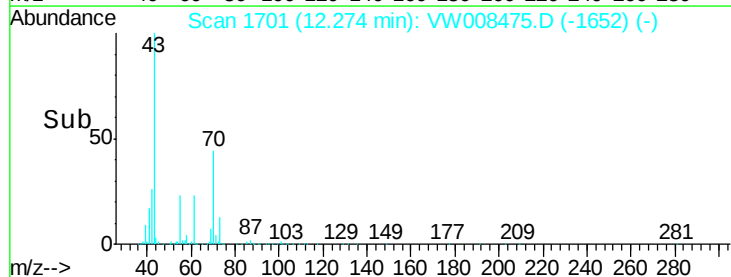
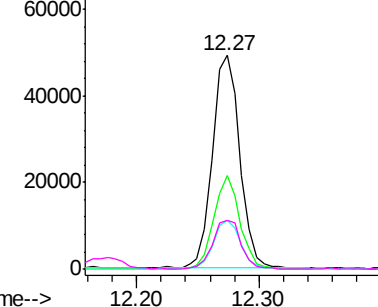


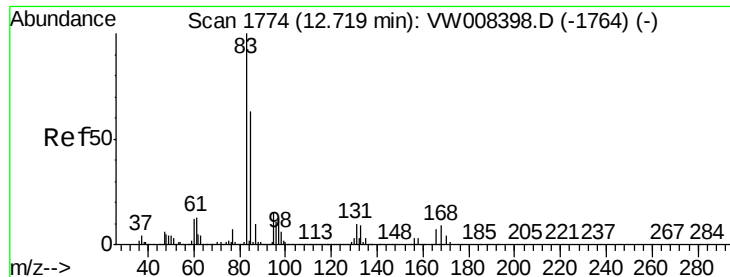
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 16.393 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

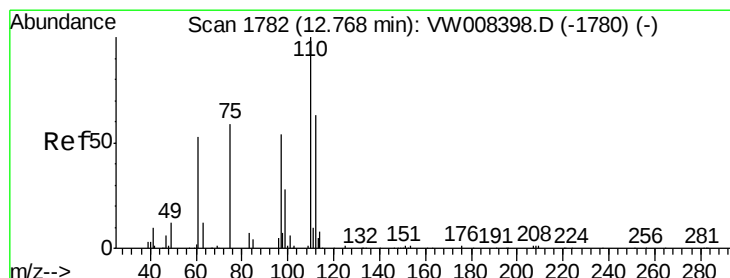
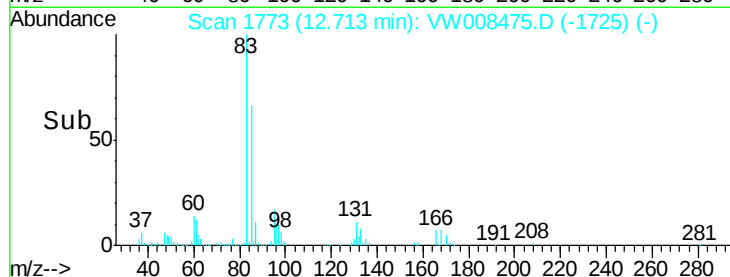
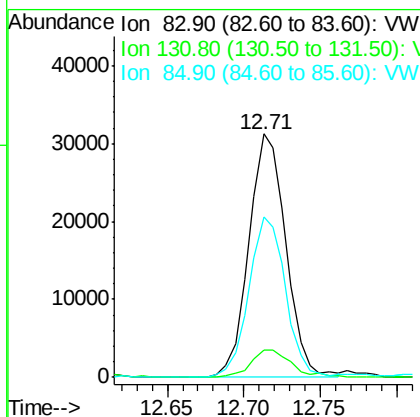
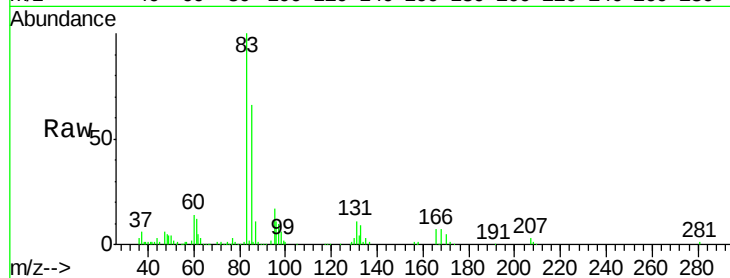
ClientSampleId :

VW0201SBS01

Tot Ion:	83	Resp:	52810
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.5	16.4
85	65.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.003 ug/l m

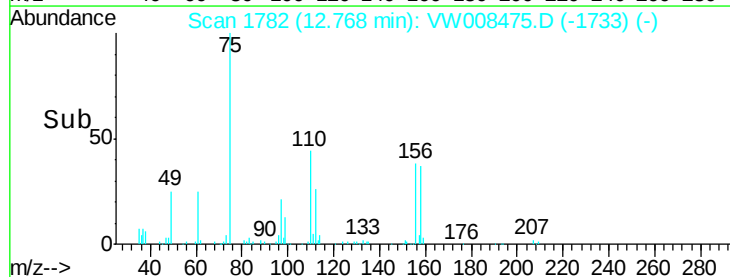
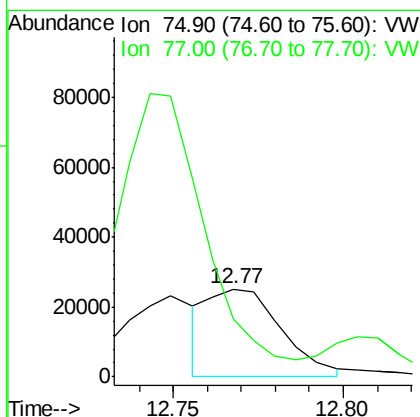
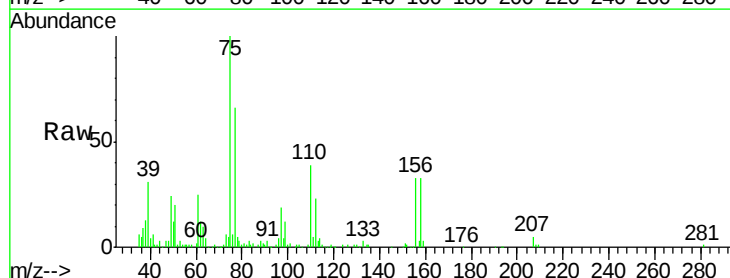
RT: 12.77 min Scan# 1782

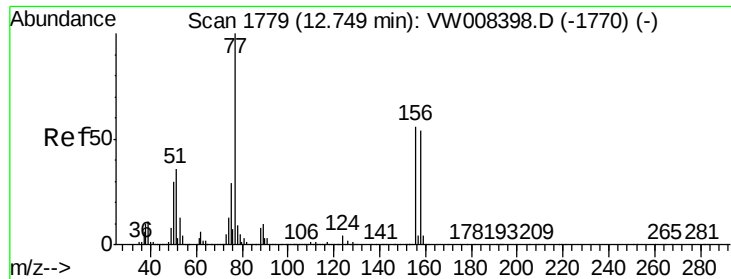
Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion:	75	Resp:	37976
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





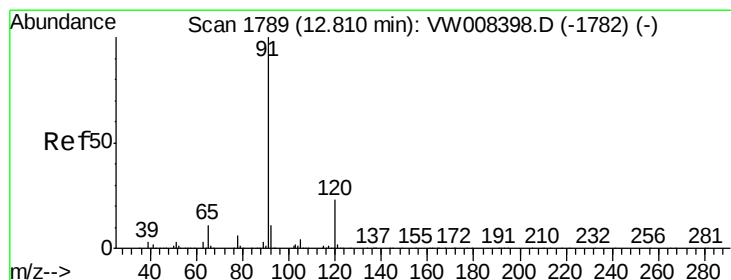
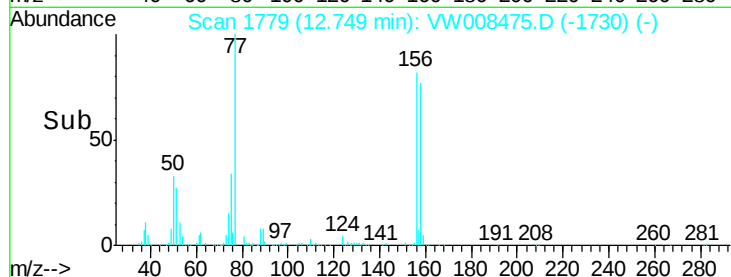
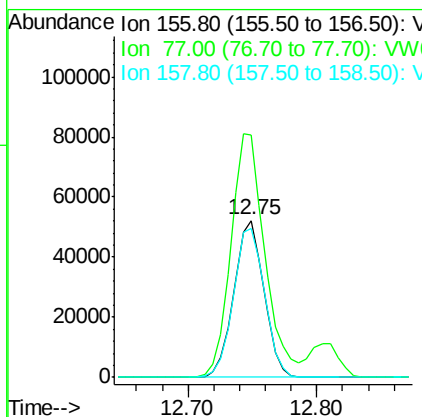
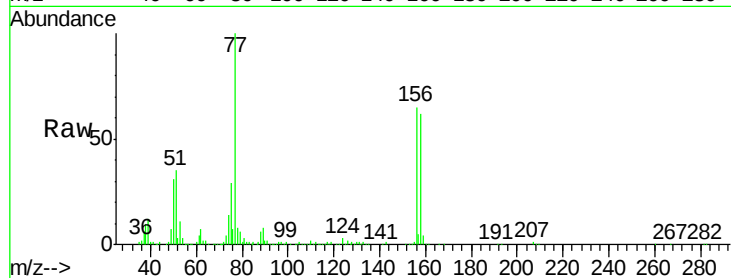
#77
Bromobenzene
Concen: 19.041 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.6	96.9	290.7
158	98.2	48.8	146.4

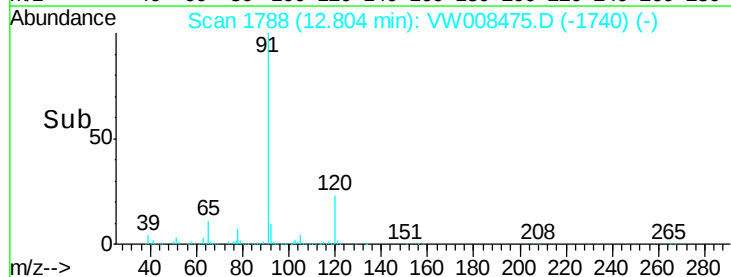
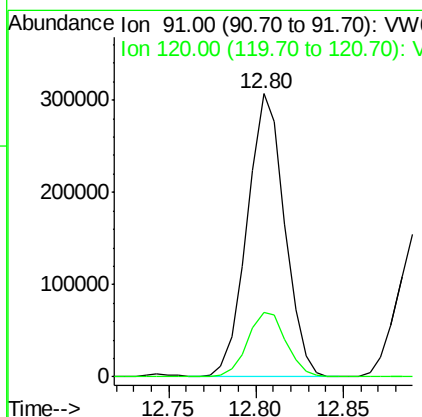
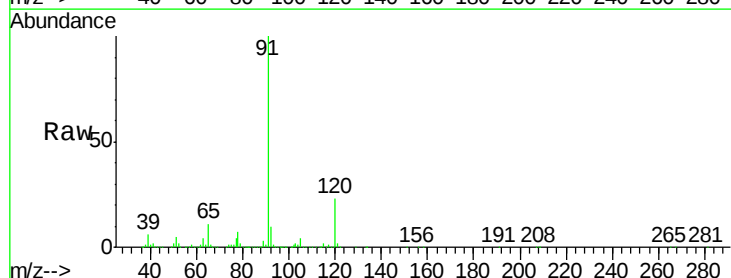
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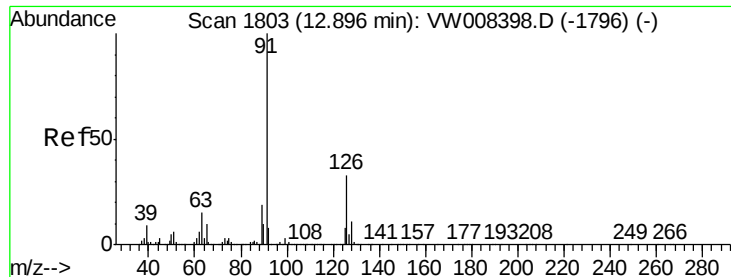
MMDadoda
2/4/2019 4:32:18 PM



#78
n-propylbenzene
Concen: 18.706 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.4	34.1





#79

2-Chlorotoluene

Concen: 18.365 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0201SBS01

Tot Ion: 91 Resp: 253273

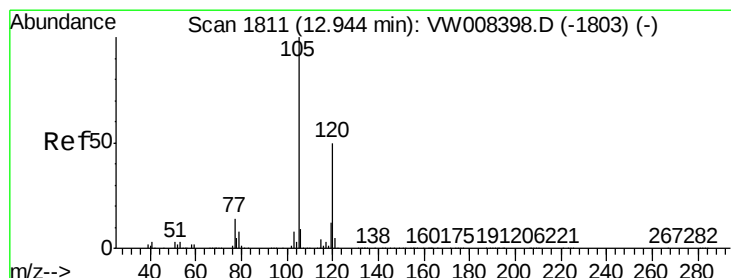
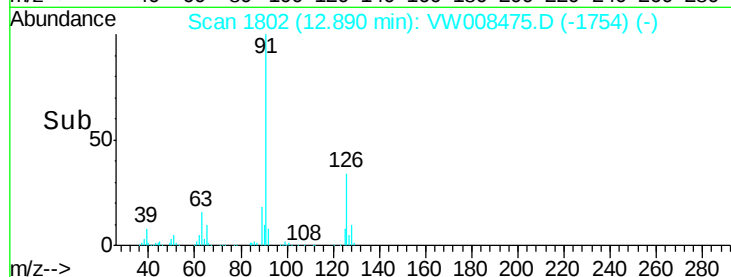
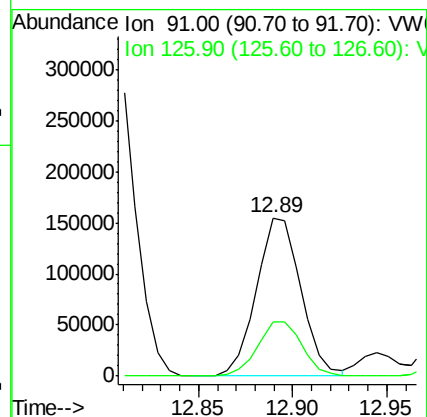
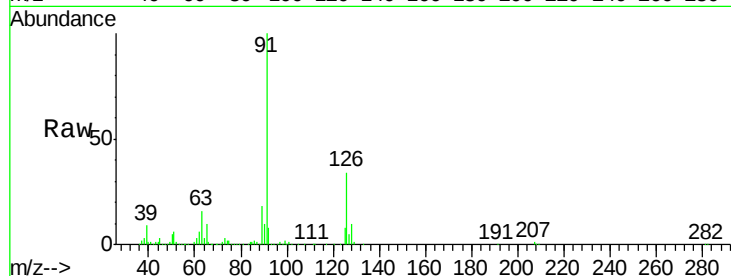
Ion Ratio Lower Upper

91 100

126 34.7 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 18.610 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008475.D

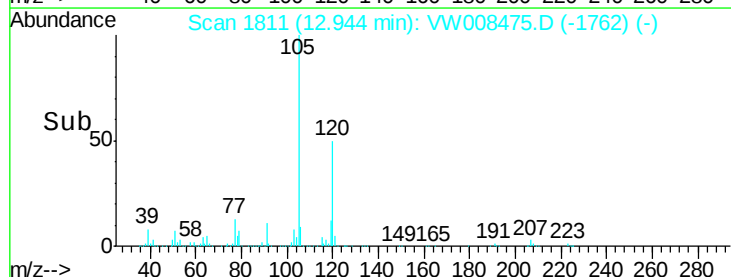
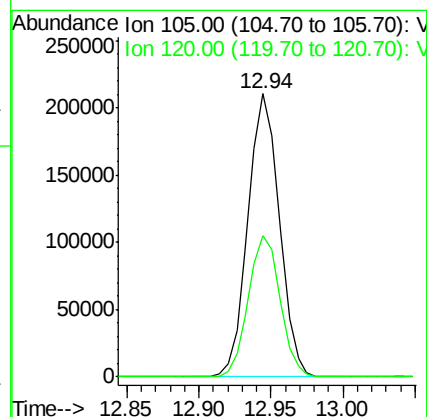
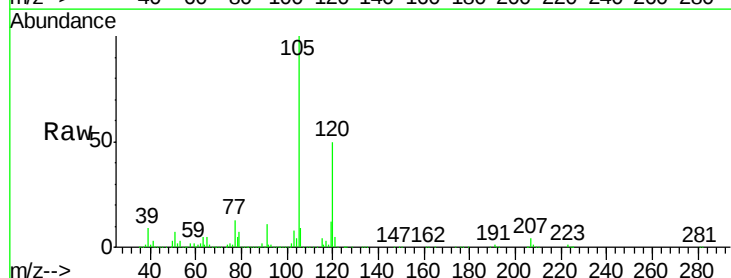
Acq: 01 Feb 2019 12:19

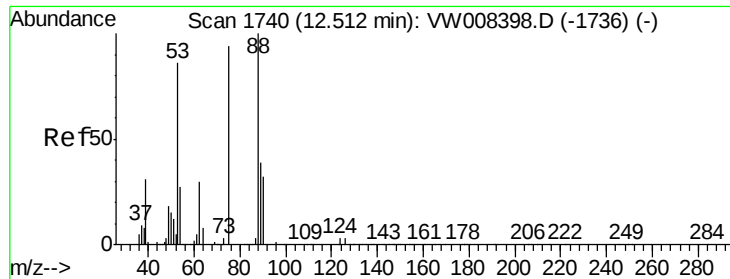
Tgt Ion: 105 Resp: 316520

Ion Ratio Lower Upper

105 100

120 50.7 24.6 73.8





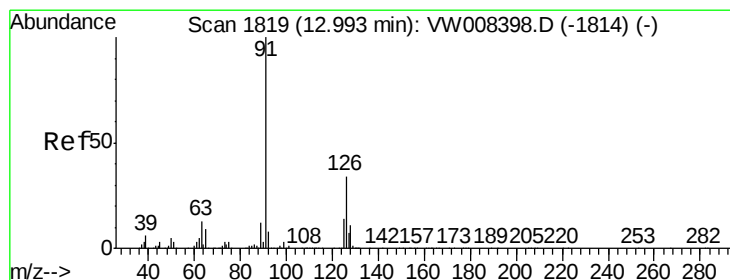
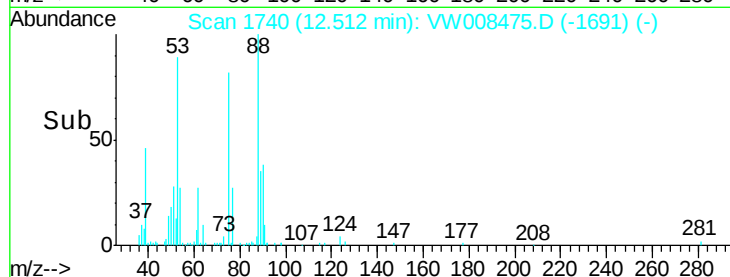
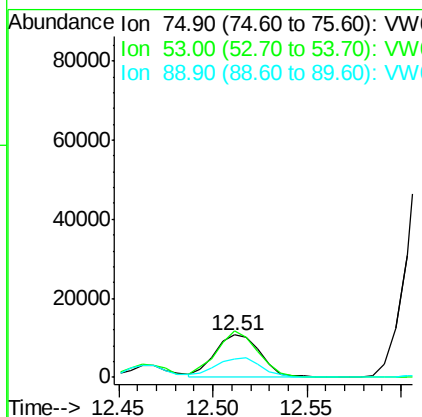
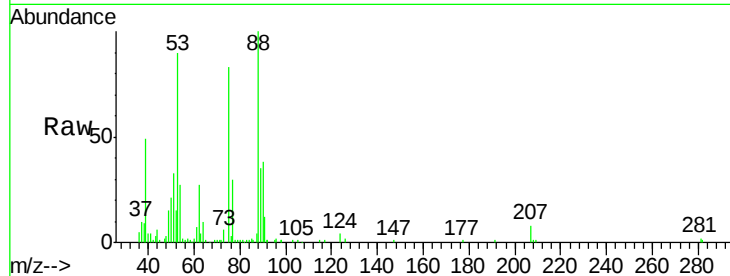
#81
trans-1,4-Dichloro-2-butene
Concen: 14.896 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	76.0	114.0
89	46.8	35.4	53.0

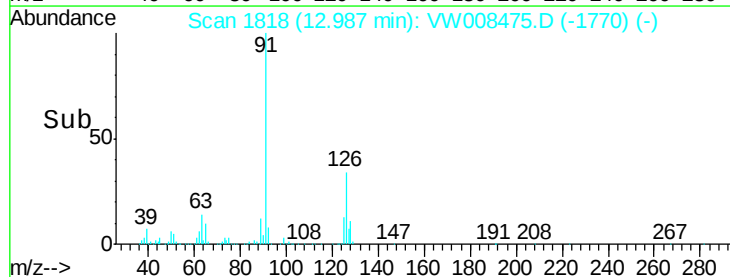
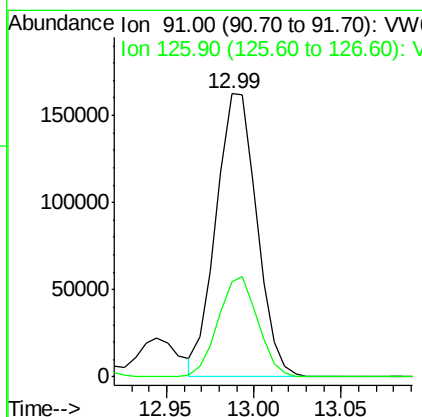
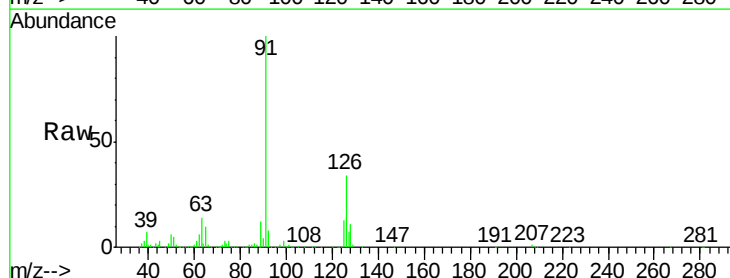
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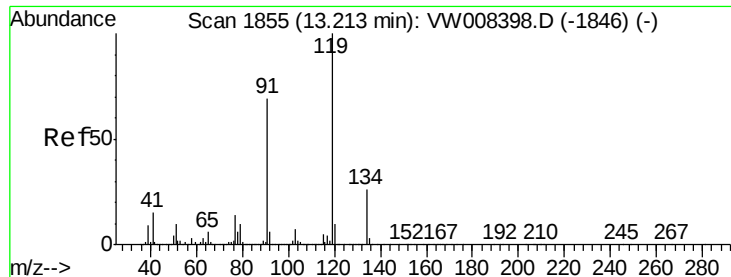
MMDadoda
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#82
4-Chlorotoluene
Concen: 17.897 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.4	49.2





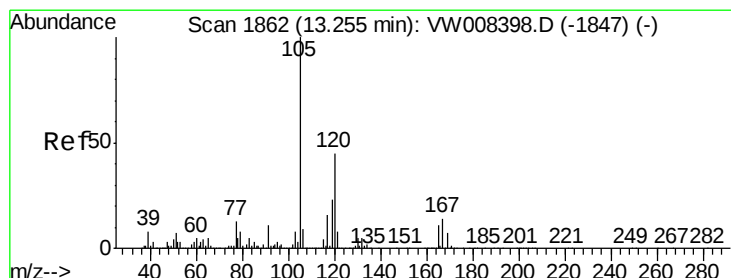
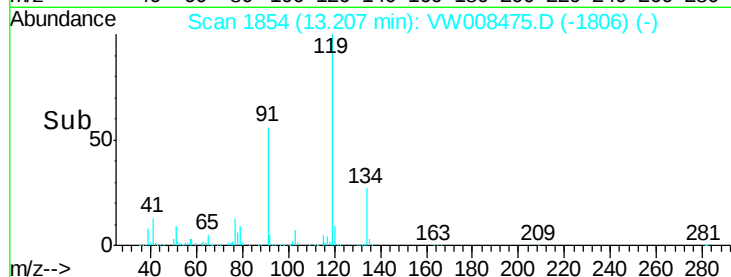
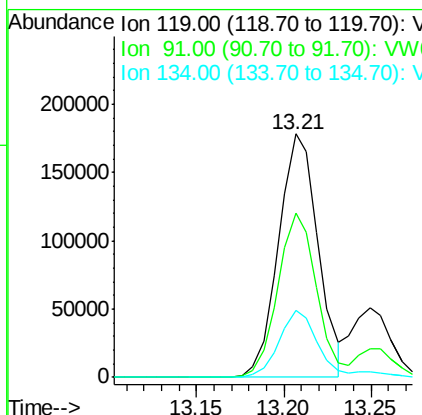
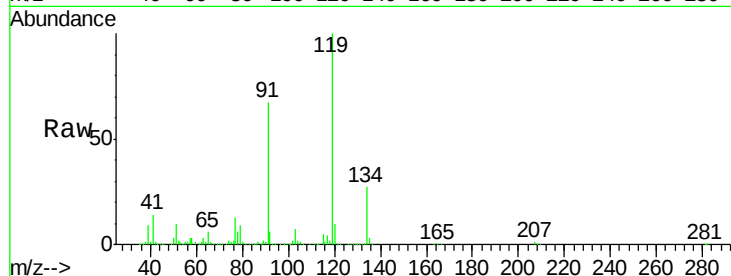
#83
tert-Butylbenzene
Concen: 18.647 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.8	101.4
134	28.2	13.5	40.4

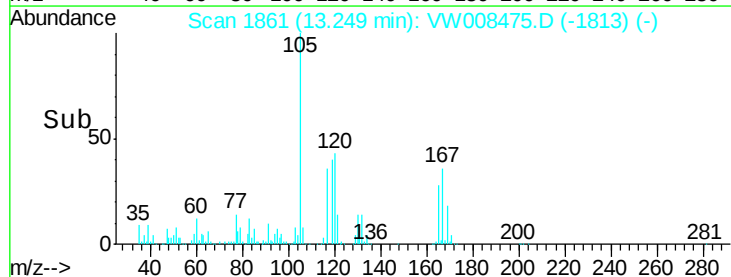
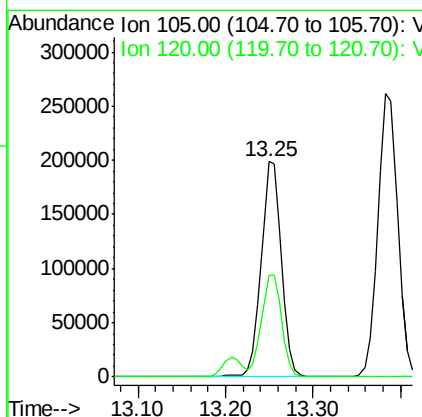
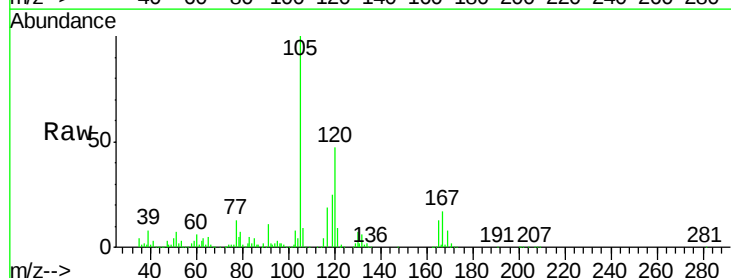
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#84
1,2,4-Trimethylbenzene
Concen: 18.609 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.1	69.2





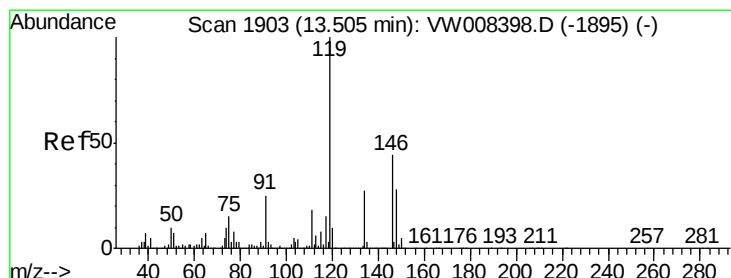
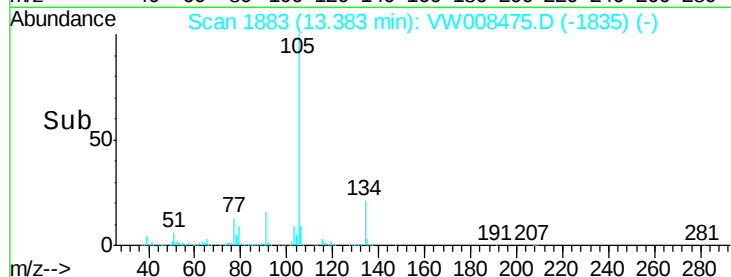
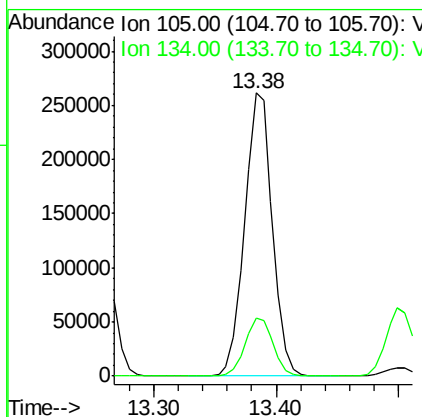
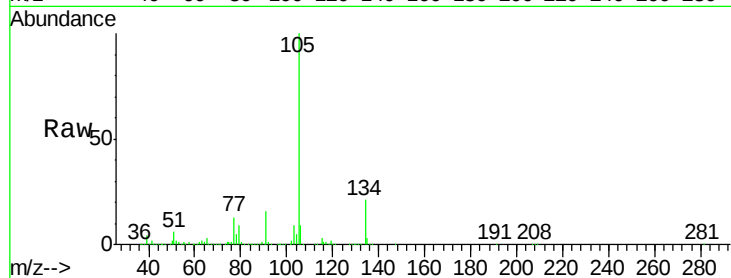
#85
 sec-Butylbenzene
 Concen: 18.906 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	408659		
134	20.9		10.2	30.6

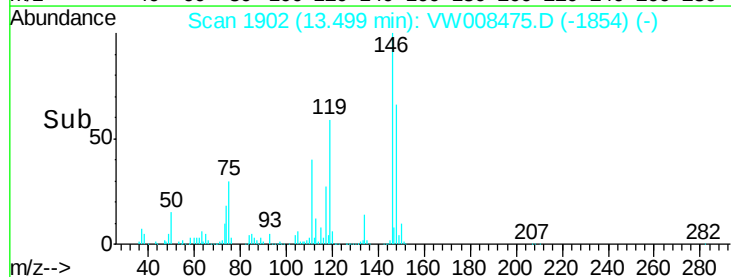
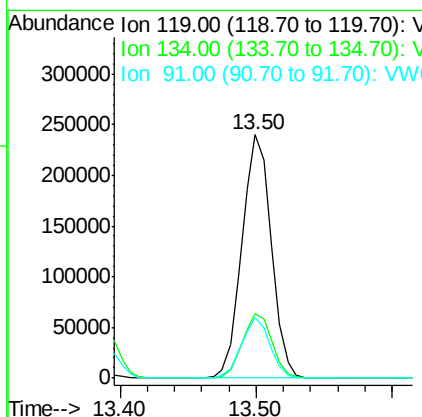
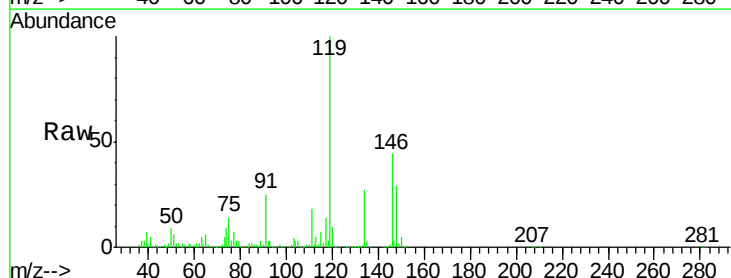
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 19.045 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	360596		
134	26.9		13.4	40.2
91	24.0		12.6	37.6





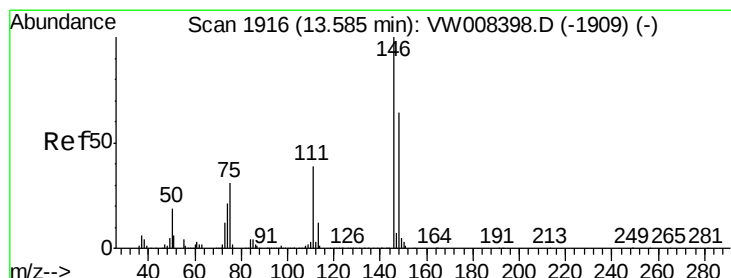
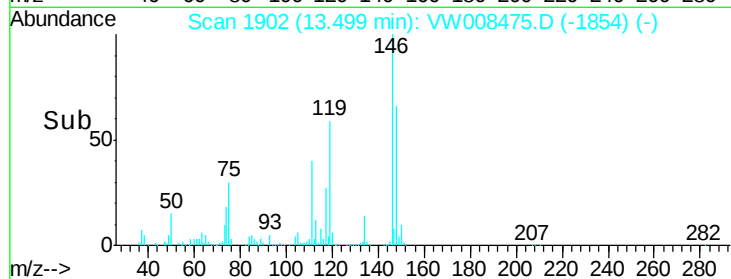
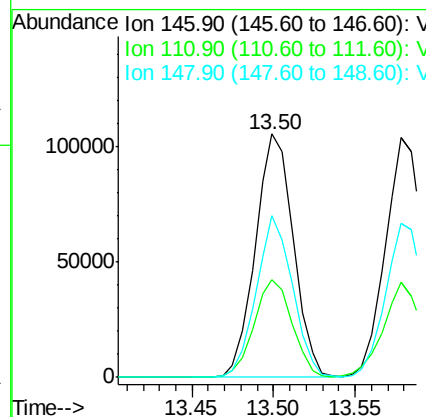
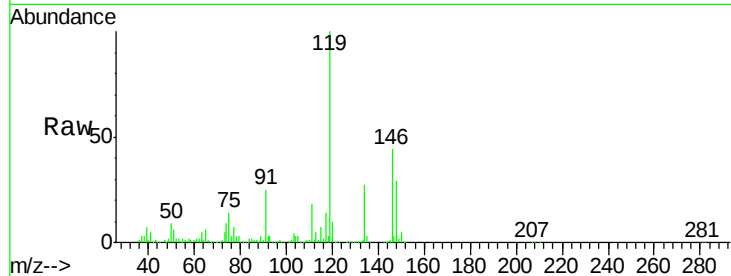
#87
 1,3-Dichlorobenzene
 Concen: 19.003 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	40.1	20.3	60.9
148	63.5	31.9	95.7

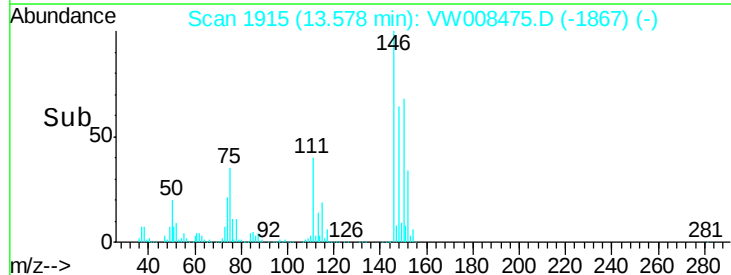
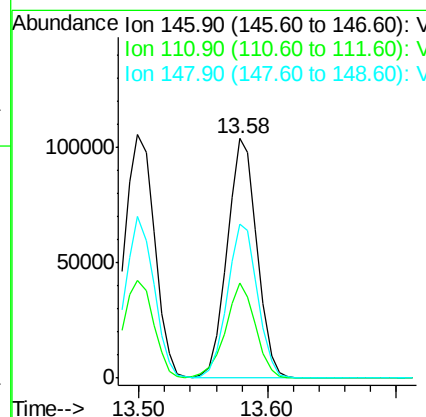
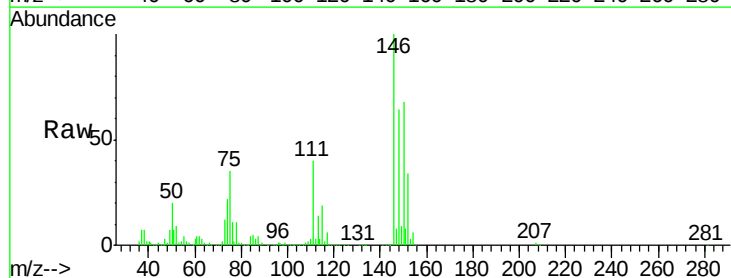
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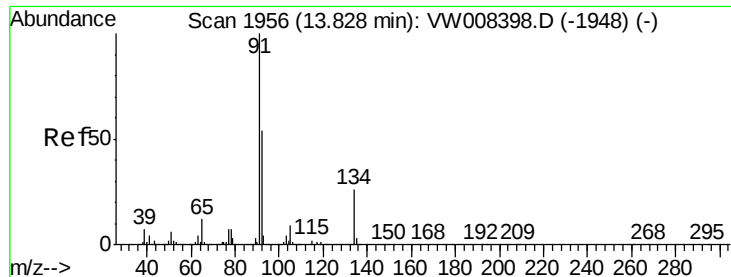
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 2/4/2019 4:32:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.904 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	40.0	20.0	60.0
148	64.8	32.0	96.2





#89

n-Butylbenzene

Concen: 18.427 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Instrument :

MSVOA_W

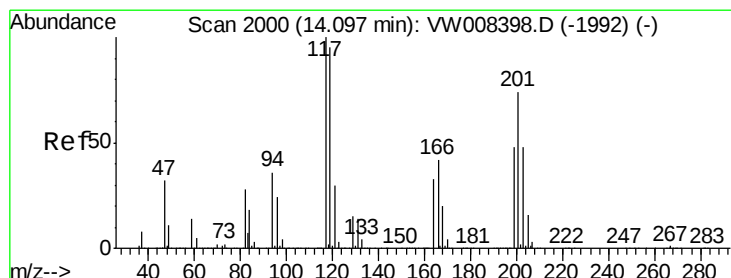
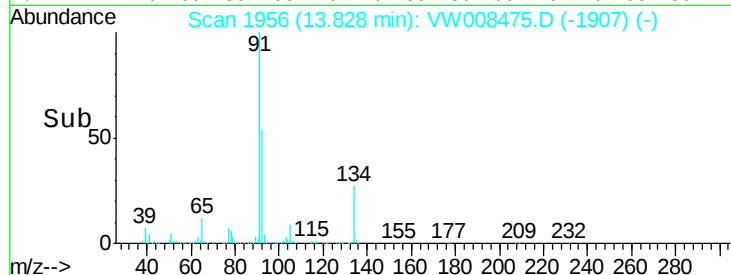
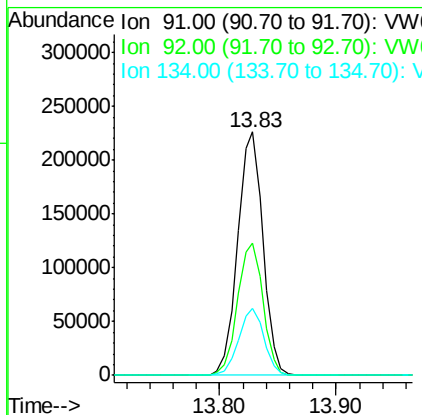
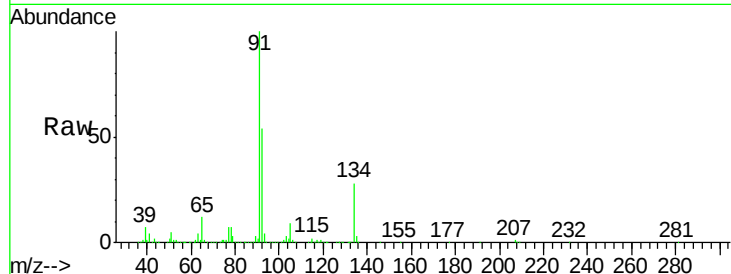
ClientSampleId :

VW0201SBS01

Tot Ion:	91	Resp:	342566
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	27.5	13.0	39.0

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#90

Hexachloroethane

Concen: 18.947 ug/l

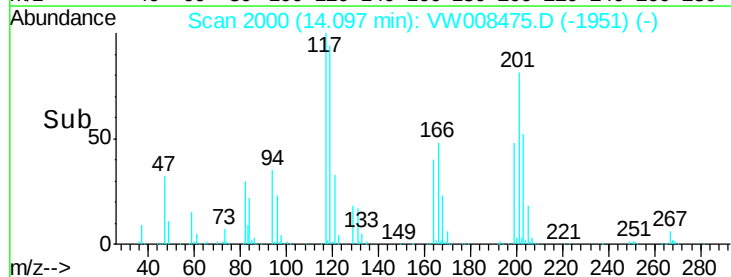
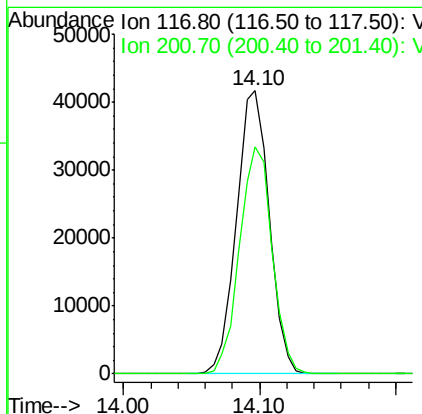
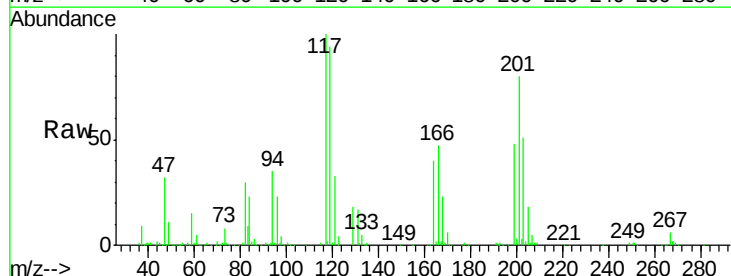
RT: 14.10 min Scan# 2000

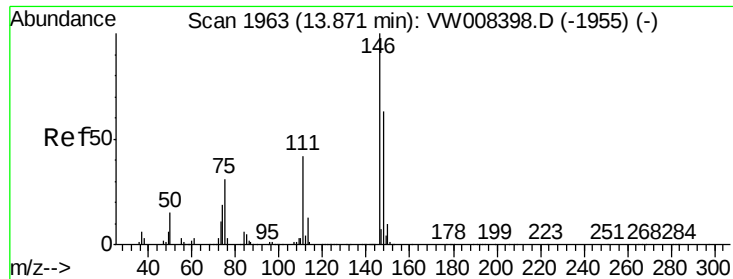
Delta R.T. 0.00 min

Lab File: VW008475.D

Acq: 01 Feb 2019 12:19

Tgt Ion:	117	Resp:	70154
Ion	Ratio	Lower	Upper
117	100		
201	79.8	39.1	117.5





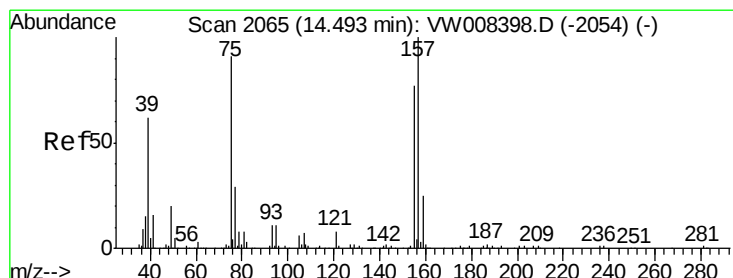
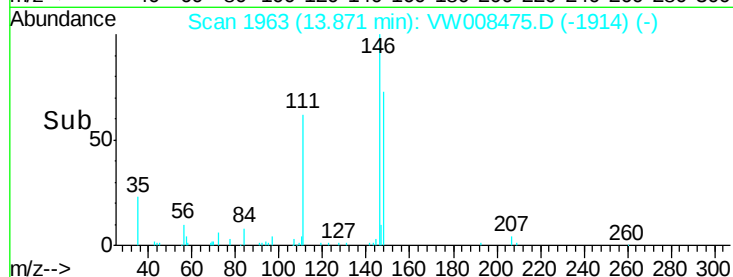
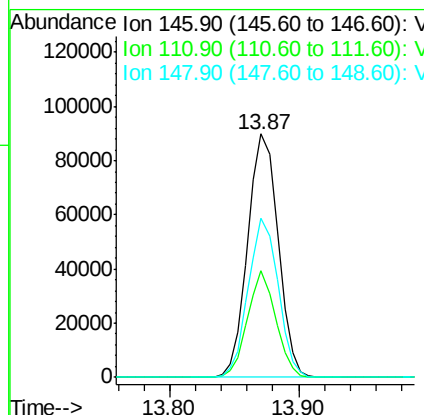
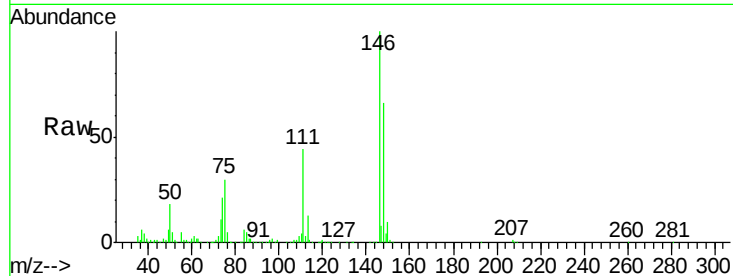
#91
 1,2-Dichlorobenzene
 Concen: 18.449 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.3
148	64.1	31.9	95.5

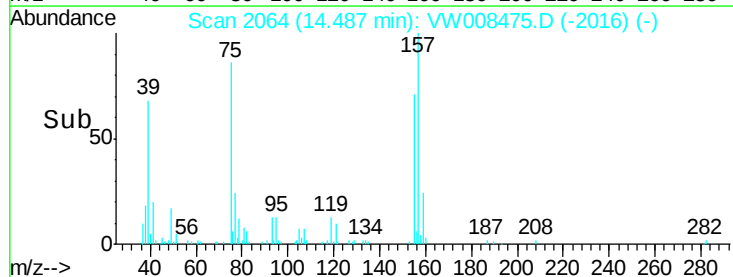
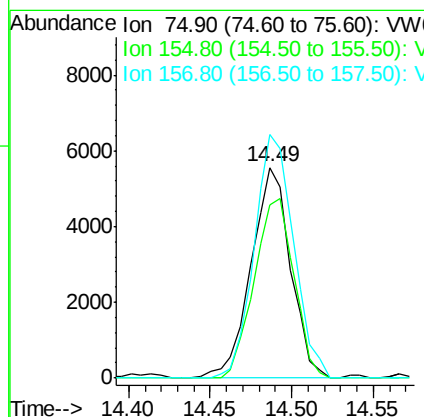
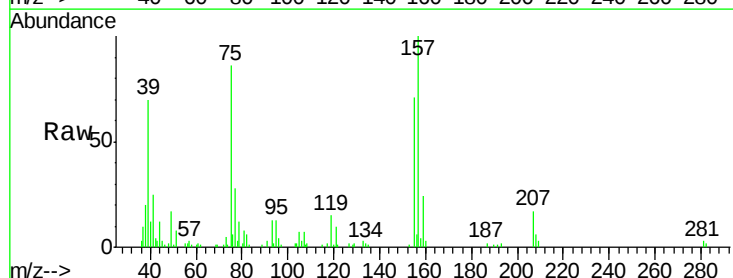
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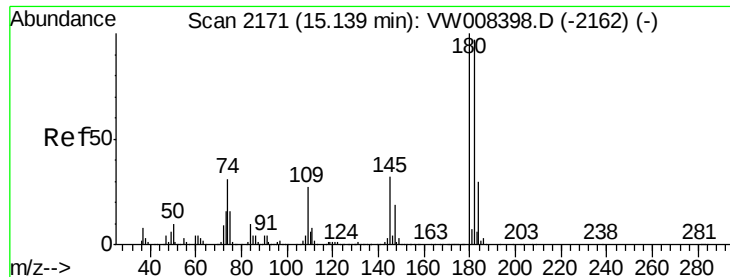
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.278 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008475.D
 Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	42.7	128.1
157	115.5	55.5	166.3





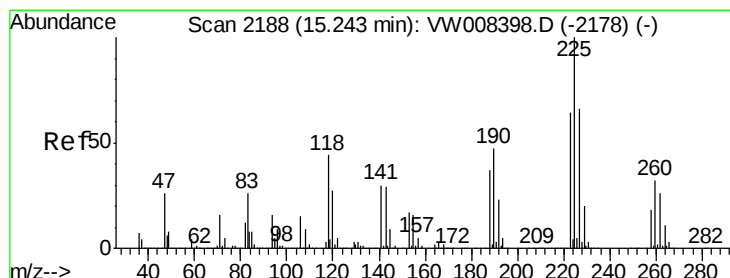
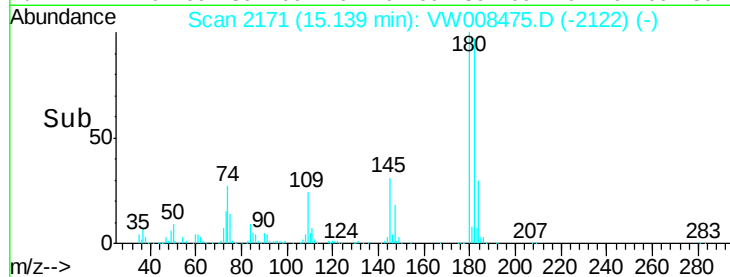
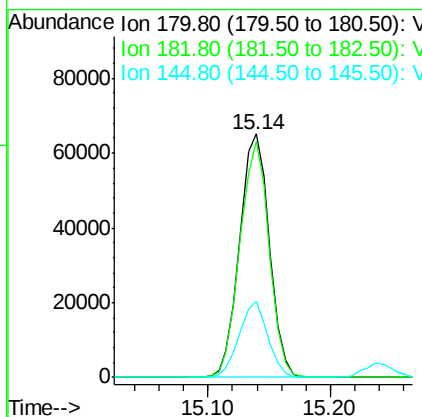
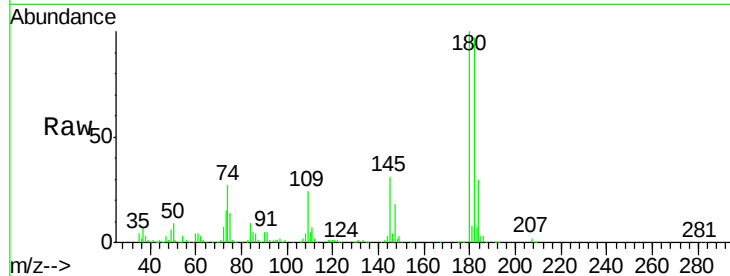
#93
1,2,4-Trichlorobenzene
Concen: 19.328 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109529		
182	95.0	47.9	143.7	
145	30.1	15.5	46.5	

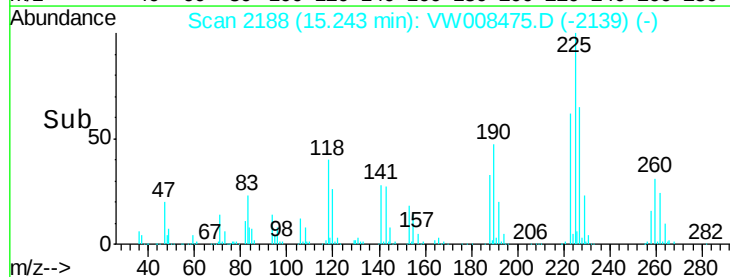
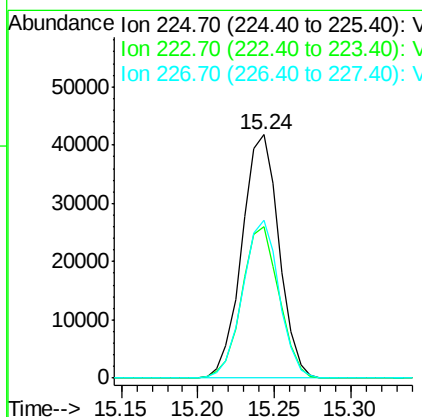
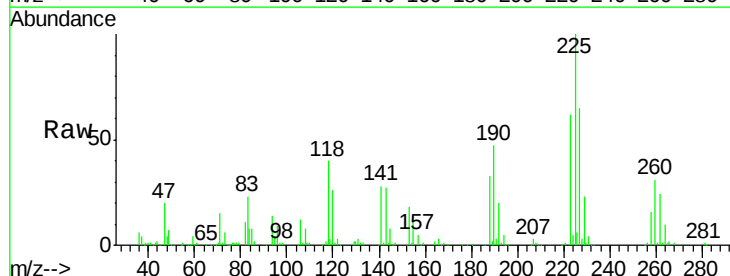
Manual Integrations
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#94
Hexachlorobutadiene
Concen: 20.638 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70482		
223	62.2	31.7	95.1	
227	63.9	32.1	96.3	





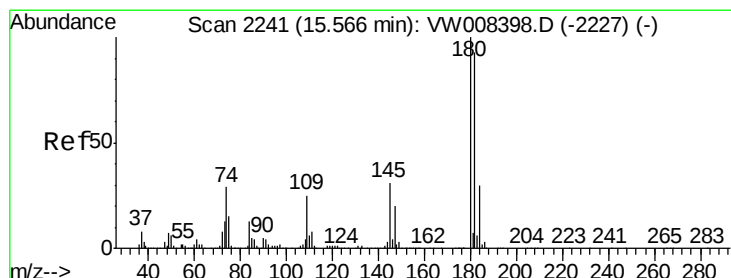
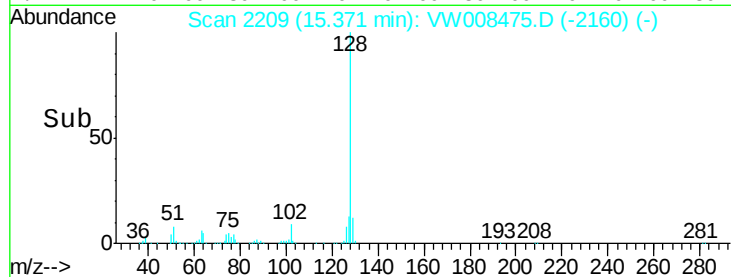
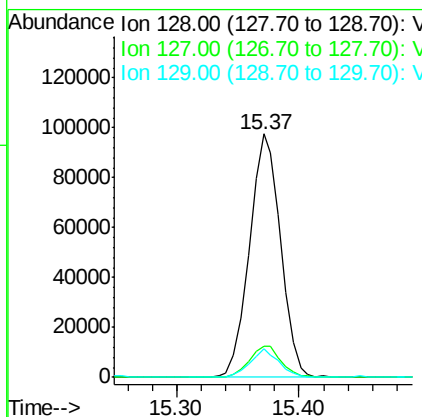
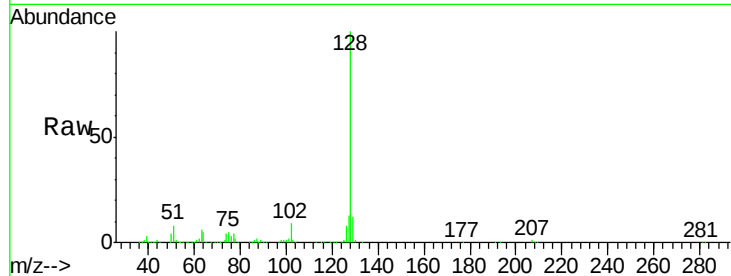
#95
Naphthalene
Concen: 17.341 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	172545		
127	13.2	10.6	15.8	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:32:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.222 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008475.D
Acq: 01 Feb 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92401		
182	93.0	47.0	141.2	
145	32.3	15.9	47.6	

